



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 118926

TO: James Schultz
Location: REM/2D18/2C18
Art Unit: 1635
Wednesday, April 07, 2004

Case Serial Number: 10/006911

From: David Schreiber
Location: Biotech-Chem Library
Remsen E01A61
Phone: 272-2526

david.schreiber@uspto.gov

Search Notes



STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact*:

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.



GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 06:58:01 ; Search time 1 Seconds

(without alignments)

1.052 Million cell updates/sec

Title: us-10-006-911-3

Perfect score: 130

Sequence: 1 tcaggggaagaaatattc.....ggttgatcaagcaaatagga 130

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 0.5

Searched: 268 seqs, 4046 residues

Total number of hits satisfying chosen parameters: 536

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 278 summaries

Database : rge.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	15.6	12.0	22	1	AX017787
C 2	15.2	11.7	20	1	AR150534
C 3	15.2	11.7	20	1	AX294122
C 4	14.8	11.4	20	1	AR087810
C 5	14.8	11.4	20	1	AR198318
C 6	14.4	11.1	17	1	AX737249
C 7	14.4	11.1	17	1	AX761700
C 8	14.2	10.9	20	1	BD230189
C 9	14.2	10.9	20	1	AR313236
C 10	14.0	10.8	18	1	BD234621
C 11	13.8	10.6	17	1	AR230217
C 12	13.8	10.6	17	1	AX422219
C 13	13.8	10.6	17	1	AX499824
C 14	13.8	10.6	17	1	AX736991
C 15	13.8	10.6	19	1	AR294174
C 16	13.8	10.6	19	1	AX131809
C 17	13.4	10.3	17	1	AX422218
C 18	13.4	10.3	17	1	AX572317
C 19	13.4	10.3	17	1	AX572319
C 20	13.4	10.3	18	1	AX572318
C 21	13.2	10.2	18	1	AX020754
C 22	13.0	10.0	17	1	BD255277
C 23	13.0	10.0	17	1	BD255278
C 24	13.0	10.0	17	1	BD255279
C 25	13.0	10.0	17	1	BD255280
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C 32	12.8	9.8	17	1	AX421700
C 33	12.8	9.8	17	1	AX423054

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C 40	12.8	9.8	17	1	AX725568
C 41	12.8	9.8	17	1	AX731235
C 42	12.8	9.8	17	1	AX731362
C 43	12.8	9.8	17	1	AX732711
C 44	12.8	9.8	17	1	AX738363
C 45	12.8	9.8	17	1	AX739766
C 46	12.8	9.8	17	1	AX759521
C 47	12.8	9.8	17	1	AX759630
C 48	12.8	9.8	17	1	AX759673
C 49	12.8	9.8	18	1	AX746014
C 50	12.4	9.5	15	1	AX5585
C 51	12.4	9.5	15	1	AR180560
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C 88	12.2	9.4	17	1	AX762000
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C 90	12.2	9.4	17	1	AX377083
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C 98	12.2	9.4	17	1	BD255532
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C 100	11.8	9.1	15	1	AX723454
C 101	11.8	9.1	15	1	AX180199
C 102	11.8	9.1	16	1	AX635362
C 103	11.8	9.1	16	1	A10123
C 104	11.8	9.1	16	1	A10125
C 105	11.8	9.1	16	1	A10140
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C 107	11.8	9.1	16	1	AX8762

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ACCESSION:AR180199
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ACCESSION:A10123
ACCESSION:A10125
ACCESSION:A10140
ACCESSION:A42573
ACCESSION:AX8762

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Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 2 AAAGGAGGAAAACTGTT 19

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AR198318
LOCUS AR198318
DEFINITION Sequence 54 from patent US 6352830.
ACCESSION AR198318
VERSION AR198318.1 GI:20248167
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Crabtree,G.R., Northrop,J.P., Ho,S.N. and Flanagan,W.M.
TITLE NF-AT polypeptides and polynucleotides and screening methods for
immunopressive agents
JOURNAL Patent: US 6352830-A 54 05-MAR-2002;
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Db 2 AAAGGAGGAAAACTGTT 19

RESULT 6
AX737249/c
LOCUS AX737249
DEFINITION Sequence 2839 from Patent WO03025177.
ACCESSION AX737249
VERSION AX737249.1 GI:30516537
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 2839 27-MAR-2003;
FEATURES Location/Qualifiers
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Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATGTTAATGAT 1417
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AX761700/c
LOCUS AX761700
DEFINITION Sequence 5021 from Patent WO03040369.

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ACCESSION AX761700
VERSION AX761700.1 GI:32256316
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 5021 15-MAY-2003;
FEATURES Location/Qualifiers
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RESULT 8
BD230189
LOCUS BD230189
DEFINITION Total genome radiation hybrid map of canine genome and its use for
identification of interesting genes.
ACCESSION BD230189
VERSION BD230189.1 GI:33039959
KEYWORDS JP 2002530091-A/58.
SOURCE Canis familiaris (dog)
ORGANISM Canis familiaris
REFERENCE 1
AUTHORS Galibert,F. and Andre,C.
TITLE Total genome radiation hybrid map of canine genome and its use for
identification of interesting genes
JOURNAL Patent: JP 2002530091-A 58 17-SEP-2002;
COMMENT CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
OS Canis familiaris (dog)
PN JP 2002530091-A/58
PD 17-SEP-2002
PF 15-NOV-1999 JP 2000582596
PR 13-NOV-1998 US 60/108193
PI FRANCIS GALIBERT,CATHERINE ANDRE
PC C12N15/09,C12Q1/68,C12N15/00
CC Ren12H20
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Db 2 AGACATGGACAGGAAGAT 20

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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 1131 07-AUG-2002;
Aeomica, Inc. (US)
FEATURES
Location/Qualifiers
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/organism="Homo sapiens"
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Db 17 TTGATCGAGCAATGGG 1

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AX736991 AX736991 17 bp DNA linear PAT 08-MAY-2003
LOCUS Sequence 2581 from Patent WO03025177.
ACCESSION AX736991
VERSION AX736991.1 GI:30516279
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Telerman,A., Amson,R. and Tuijinder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 2581 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
Location/Qualifiers
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Db 1 GATCAAGGAGGAAAAA 17

RESULT 15
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LOCUS Sequence 5909 from patent US 6537751.
ACCESSION AR294174
VERSION AR294174.1 GI:31681458
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1
AUTHORS Cohen,D., Chumakov,I. and Blumenfeld,M.
TITLE Biallelic markers for use in constructing a high density
disequilibrium map of the human genome
JOURNAL Patent: US 6537751-A 5909 25-MAR-2003;
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AX131809 AX131809 19 bp DNA linear PAT 15-MAY-2001
LOCUS Sequence 3027 from Patent WO0130362.
ACCESSION AX131809
VERSION AX131809.1 GI:14138114
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Robbins,J.M. and Tritz,R.
TITLE Ribozyme therapy for the treatment of proliferative skin and eye
diseases
JOURNAL Patent: WO 0130362-A 3027 03-MAY-2001;
IMMUSOL, INC. (US)
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Db 3 GACATCTACATGGATGA 19

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AX422218 AX422218 17 bp RNA linear PAT 18-JUN-2002
LOCUS Sequence 554 from Patent WO0188124.
ACCESSION AX422218
VERSION AX422218.1 GI:21525600
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 554 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
FEATURES
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/mol_type="unassigned RNA"
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COMMENT OS Eukaryote
PN JP 2002541795-A/3070
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
C12P21/02,
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C12R1:91),
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DB 17 GGAAGAAAAATAT 5
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LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules
ACCESSION BD255278
VERSION BD255278.1 GI:33065048
KEYWORDS JP 2002541795-A/3071.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3071 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/3071
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
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C12P21/02,
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PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
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DB 17 GGAAGAAAAATAT 5

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Best Local Similarity 100.0%; Pred. No. 34;
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DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255279
VERSION BD255279.1 GI:33065049
KEYWORDS JP 2002541795-A/3072.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3072 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
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PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
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QY 1350 GGAAGAAAAATAT 1362
DB 15 GGAAGAAAAATAT 3
RESULT 25
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LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255280
VERSION BD255280.1 GI:33065050
KEYWORDS JP 2002541795-A/3073.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3073 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT OS Eukaryote
PN JP 2002541795-A/3073

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PD 10-DEC-2002
 PF 11-APR-2000 JP 2000611654
 PR 12-APR-1999 US 60/129390
 PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
 C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
 C12P21/02,
 PC

C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
 C12R1:91),
 PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
 PC A61K37/02,
 PC (C12N5/00, C12R1:91)
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Qy 1350 GGAGGAAATAT 1362

Db 14 GGAGGAAATAT 2

RESULT 26

BD255281/c
 LOCUS 17 bp DNA linear PAT 17-JUL-2003
 DEFINITION Regulation of repressor genes using nucleic acid molecules.
 ACCESSION BD255281

VERSION BD255281.1 GI:33065051

KEYWORDS JP 2002541795-A/3074.

SOURCE unidentified

ORGANISM unidentified

REFERENCE 1 (bases 1 to 17)

AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

TITLE Regulation of repressor genes using nucleic acid molecules

JOURNAL Patent: JP 2002541795-A 3074 10-DEC-2002;

COMMENT RIBOZYME PHARMACEUTICALS INC

OS Eukaryote

PN JP 2002541795-A/3074

PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC

C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC

C12P21/02,
 PC

C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC

C12R1:91),
 PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
 PC A61K37/02,
 PC (C12N5/00, C12R1:91)
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Db 13 GGAGGAAATAT 1

RESULT 27

BD255283/c

LOCUS 17 bp DNA linear PAT 17-JUL-2003

DEFINITION Regulation of repressor genes using nucleic acid molecules.

ACCESSION BD255283

VERSION BD255283.1 GI:33065053

KEYWORDS JP 2002541795-A/3076.

SOURCE unidentified

ORGANISM unidentified

REFERENCE 1 (bases 1 to 17)

AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

TITLE Regulation of repressor genes using nucleic acid molecules

JOURNAL Patent: JP 2002541795-A 3076 10-DEC-2002;

COMMENT RIBOZYME PHARMACEUTICALS INC

OS Eukaryote

PN JP 2002541795-A/3076

PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC

C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC

C12P21/02,
 PC

C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC

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 PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
 PC A61K37/02,
 PC (C12N5/00, C12R1:91)
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Db 17 TATACATGGAAGA 5

RESULT 28

AX671728

LOCUS 17 bp DNA linear PAT 27-MAR-2003

DEFINITION Sequence 173 from Patent WO03004526.

ACCESSION AX671728

VERSION AX671728.1 GI:29330076

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE 1

AUTHORS Teller, A., Amson, R. and Tuijnder, M.

TITLE Sequences involved in phenomena of tumour suppression, tumour

reversion, apoptosis and/or resistance to viruses and their use as

medicines

JOURNAL Patent: WO 03004526-A 173 16-JAN-2003;

FEATURES Molecular Engines Laboratories (FR)

Location/Qualifiers

[illegible]

KEYWORDS	
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE	1 Zhan,J. Human testis expressed patched like protein Patent: EP 1229046-A 1132 07-AUG-2002;
TITLE	Aeomica, Inc. (US)
JOURNAL	
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source	1..17
Query Match	9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity	87.5%; Pred.No. 37;
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Dn	16 TTGATCGAGCAATGG 1
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LOCUS	AX673562 17 bp DNA linear PAT 27-MAR-2003
DEFINITION	Sequence 2007 from Patent WO03004526.
ACCESSION	AX673562
VERSION	AX673562.1 GI:29331910
KEYWORDS	
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE	1 Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their use as medicines Patent: WO 03004526-A 2007 16-JAN-2003;
JOURNAL	Molecular Engines Laboratories (FR)
FEATURES	Location/Qualifiers
source	1..17
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Best Local Similarity	87.5%; Pred.No. 37;
Matches 14; Conservative	0; Mismatches 2; Indels 0; Gaps 0;
CY	1357 AAATATTCCAGCATC 1372
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RESULT 39	
AX724377	
LOCUS	AX724377 17 bp DNA linear PAT 08-MAY-2003
DEFINITION	Sequence 2064 from Patent WO03025176.
ACCESSION	AX724377
VERSION	AX724377.1 GI:30503720
KEYWORDS	
SOURCE	Mus musculus (house mouse)
ORGANISM	Mus musculus Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
REFERENCE	1 Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
AUTHORS	
TITLE	

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Query Match          9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
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QY 1438 CATATACATGGAAGAT 1453

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DEFINITION Sequence 2842 from Patent WO03040369.
ACCESSION AX759521
VERSION AX759521.1 GI:32254137
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 2842 15-MAY-2003;
Molecular Engines Laboratories (FR)
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/mol_type="unassigned DNA"
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Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1459 GATCAAGCAATAGCA 1474
Db 1 GATCATGCAGATAGCA 16
RESULT 47
AX759630/c 17 bp DNA linear PAT 25-JUN-2003
LOCUS AX759630
DEFINITION Sequence 2951 from Patent WO03040369.
ACCESSION AX759630
VERSION AX759630.1 GI:32254246
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 2951 15-MAY-2003;
Molecular Engines Laboratories (FR)
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Best Local Similarity 87.5%; Pred. No. 37;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1447 GGAAGATGGGTGATC 1462
Db 16 GGAAATGGGTAGATC 1
RESULT 48
AX759673/c 17 bp DNA linear PAT 25-JUN-2003
LOCUS AX759673
DEFINITION Sequence 2994 from Patent WO03040369.
ACCESSION AX759673
VERSION AX759673.1 GI:32254289
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 2994 15-MAY-2003;
Molecular Engines Laboratories (FR)
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Best Local Similarity 87.5%; Pred. No. 37;
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Qy 1439 ATATACATGGAAGATG 1454
Db 1 ATATCCATGGAGACG 16
RESULT 50
A35585/c 15 bp DNA linear PAT 02-DEC-1996
LOCUS A35585
DEFINITION Synthetic human IFN-alpha 2 gene oligo.
ACCESSION A35585
VERSION A35585.1 GI:1926967
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Camble,R. and Edge,M.D.
TITLE Analogous interferon polypeptides, process for their preparation
and pharmaceutical compositions containing them
JOURNAL Patent: EP 0194006-A 30 10-SEP-1986;
IMPERIAL CHEMICAL INDUSTRIES PLC
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/organism="synthetic construct"

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 2994 15-MAY-2003;
Molecular Engines Laboratories (FR)
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Qy 1402 TAAATTTGTTAATGAT 1417
Db 17 TAAATTTGTTAATGAT 2
RESULT 49
AX746014 18 bp DNA linear PAT 14-MAY-2003
LOCUS AX746014
DEFINITION Sequence 2 from Patent WO03031613.
ACCESSION AX746014
VERSION AX746014.1 GI:30724664
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS van Herpen,M.M., Huijink,J.M. and Croes,A.F.
TITLE Regulation of translation of heterologously expressed genes
JOURNAL Patent: WO 03031613-A 2 17-APR-2003;
KATHOLIEKE UNIVERSITEIT NIJMEGEN (NL)
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/db_xref="taxon:32630"
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Best Local Similarity 87.5%; Pred. No. 39;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1439 ATATACATGGAAGATG 1454
Db 1 ATATCCATGGAGACG 16
RESULT 50
A35585/c 15 bp DNA linear PAT 02-DEC-1996
LOCUS A35585
DEFINITION Synthetic human IFN-alpha 2 gene oligo.
ACCESSION A35585
VERSION A35585.1 GI:1926967
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Camble,R. and Edge,M.D.
TITLE Analogous interferon polypeptides, process for their preparation
and pharmaceutical compositions containing them
JOURNAL Patent: EP 0194006-A 30 10-SEP-1986;
IMPERIAL CHEMICAL INDUSTRIES PLC
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QY 1448 GAAGATGGTGGT 1461
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Db 15 GAAGATGGTGGT 2

RESULT 51
LOCUS ARI80560 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 628 from patent US 633152.
ACCESSION ARI80560
VERSION ARI80560.1 GI:20222593
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 633152-A 628 25-DEC-2001;
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Query Match          9.5%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 41;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGAGATGGGT 1457
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Db 1 CATGAGATGGTGT 14

RESULT 52
LOCUS BD255209 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255209
VERSION BD255209.1 GI:33064979
KEYWORDS JP 2002541795-A/3002.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3002 10-DEC-2002;
COMMENT OS Eukaryote
        PN JP 2002541795-A/3002
        PD 10-DEC-2002
        PE 11-APR-2000 JP 2000611654
        PR 12-APR-1999 US 60/129390
        PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
        C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
        C12P21/02,
        PC
C12P21/02,C12P21/02,((A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
C12R1:91),
PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
PC A61K37/02,
PC (C12N5/00,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
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Query Match          9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1382 CGTCTTCTGATCAA 1395
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Db 3 CTTCTTCTGATCAA 16

RESULT 54
LOCUS BD256490 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD256490
VERSION BD256490.1 GI:33066260
KEYWORDS JP 2002541795-A/4283.
SOURCE unidentified
ORGANISM unclassified.

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REFERENCE
AUTHORS      Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE        Regulation of repressor genes using nucleic acid molecules
JOURNAL      RIBOZYME PHARMACEUTICALS INC
COMMENT      OS Eukaryote
              PN JP 2002541795-A/4283
              PD 10-DEC-2002
              PF 11-APR-2000 JP 2000611654
              PR 12-APR-1999 US 60/129390
              PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
              C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
              C12P21/02,
              PC
              C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
              C12R1:91),
              PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
              PC A61K37/02,
              PC (C12N5/00,C12R1:91)
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Query Match      9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAATAATATTCCTCA 1366
Db 1 AGAATAATCTTCCA 14

RESULT 55
LOCUS      BD256938 17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD256938
VERSION    BD256938.1 GI:33066708
KEYWORDS   JP 2002541795-A/4731.
SOURCE     unidentified
ORGANISM   unclassified.
REFERENCE  1 (bases 1 to 17)
AUTHORS    Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE      Regulation of repressor genes using nucleic acid molecules
JOURNAL    Patent: JP 2002541795-A 4731 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
COMMENT    OS Eukaryote
              PN JP 2002541795-A/4731
              PD 10-DEC-2002
              PF 11-APR-2000 JP 2000611654
              PR 12-APR-1999 US 60/129390
              PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
              C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
              C12P21/02,
              PC
              C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
              C12R1:91),
              PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
              PC A61K37/02,
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              CC Regulation of repressor genes using nucleic acid molecules FH
              Key source 1..17
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Query Match      9.5%; Score 12.4; DB 1; Length 17;
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Qy 1353 AGAATAATATTCCTCA 1366
Db 1 AGAATAATCTTCCA 14

RESULT 56
LOCUS      AX499826/c 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 1133 from Patent EPI229046.
ACCESSION  AX499826
VERSION    AX499826.1 GI:23382119
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Zhan,J.
TITLE      Human testis expressed patched like protein
JOURNAL    Patent: EP 1229046-A 1133 07-AUG-2002;
              Aecomica, Inc. (US)
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1457 TTGATCAGCAAAAT 1470
Db 15 TTGATCAGCAAAAT 2

RESULT 57
LOCUS      AX499827/c 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 1134 from Patent EPI229046.
ACCESSION  AX499827
VERSION    AX499827.1 GI:23382120
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Zhan,J.
TITLE      Human testis expressed patched like protein
JOURNAL    Patent: EP 1229046-A 1134 07-AUG-2002;
              Aecomica, Inc. (US)
              Location/Qualifiers
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Query Match      9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1457 TTGATCAGCAAAAT 1470
Db 14 TTGATCAGCAAAAT 1
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REFERENCE
AUTHORS      Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE        Regulation of repressor genes using nucleic acid molecules
JOURNAL      RIBOZYME PHARMACEUTICALS INC
COMMENT      OS Eukaryote
              PN JP 2002541795-A/4283
              PD 10-DEC-2002
              PF 11-APR-2000 JP 2000611654
              PR 12-APR-1999 US 60/129390
              PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
              C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
              C12P21/02,
              PC
              C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
              C12R1:91),
              PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
              PC A61K37/02,
              PC (C12N5/00,C12R1:91)
              CC Regulation of repressor genes using nucleic acid molecules FH
              Key source 1..17
              Location/Qualifiers
              FT source /organism='Eukaryote'.
              FT Location/Qualifiers
                 1..17
                 /organism="unidentified"
                 /mol_type="genomic DNA"
                 /db_xref="taxon:32644"

Query Match      9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAATAATATTCCTCA 1366
Db 1 AGAATAATCTTCCA 14

RESULT 56
LOCUS      AX499826/c 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 1133 from Patent EPI229046.
ACCESSION  AX499826
VERSION    AX499826.1 GI:23382119
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Zhan,J.
TITLE      Human testis expressed patched like protein
JOURNAL    Patent: EP 1229046-A 1133 07-AUG-2002;
              Aecomica, Inc. (US)
              Location/Qualifiers
                 1..17
                 /organism="Homo sapiens"
                 /mol_type="unassigned DNA"
                 /db_xref="taxon:9606"

Query Match      9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1457 TTGATCAGCAAAAT 1470
Db 15 TTGATCAGCAAAAT 2

RESULT 57
LOCUS      AX499827/c 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 1134 from Patent EPI229046.
ACCESSION  AX499827
VERSION    AX499827.1 GI:23382120
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Zhan,J.
TITLE      Human testis expressed patched like protein
JOURNAL    Patent: EP 1229046-A 1134 07-AUG-2002;
              Aecomica, Inc. (US)
              Location/Qualifiers
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                 /organism="Homo sapiens"
                 /mol_type="unassigned DNA"
                 /db_xref="taxon:9606"

Query Match      9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1457 TTGATCAGCAAAAT 1470
Db 14 TTGATCAGCAAAAT 1
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RESULT 58
AX736520
LOCUS AX736520 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2110 from Patent WO03025177.
ACCESSION AX736520
VERSION AX736520.1 GI:30515808
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 2110 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Location/Qualifiers
1. .17
/organism="Homo sapiens"
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Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1379 GATCGTCTTCTGAT 1392
Db 1 GATCGTCTTCTGAT 14
RESULT 59
AX758558/c
LOCUS AX758558 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 1879 from Patent WO03040369.
ACCESSION AX758558
VERSION AX758558.1 GI:32253174
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 1879 15-MAY-2003;
Molecular Engines Laboratories (FR)
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source
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1449 AAGATGGGTTCATC 1462
Db 14 AAGATGGGTTCATC 1
RESULT 60
AX759393
LOCUS AX759393 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 2714 from Patent WO03040369.
ACCESSION AX759393

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VERSION AX759393.1 GI:32254009
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 2714 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 46;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1379 GATCGTCTTCTGAT 1392
Db 1 GATCGTCTTCTGAT 14
RESULT 61
AX62967
LOCUS AX62967 17 bp DNA linear PAT 12-MAR-1998
DEFINITION Sequence 208 from Patent WO9719110.
ACCESSION AX62967
VERSION AX62967.1 GI:3716847
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1
AUTHORS Putreal,P.A., Wooster,R.F., Ashworth,A. and Stratton,M.R.
TITLE MATERIALS AND METHODS RELATING TO THE IDENTIFICATION AND SEQUENCING
OF THE BRCA2 CANCER SUSCEPTIBILITY GENE AND USES THEREOF
JOURNAL Patent: WO 9719110-A 208 29-MAY-1997;
CANCER RES CAMPAIGN TECH (GB)
COMMENT Other publication AU 7635096 19970611
Other publication GB 2307477 19970528.
FEATURES
source
Location/Qualifiers
1. .17
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 51;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
QY 1395 AAGGAGCTAAATTTGTT 1411
Db 1 AARGCGTNAARTTITT 17
RESULT 62
AR046844
LOCUS AR046844 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 1637 from patent US 5817796.
ACCESSION AR046844
VERSION AR046844.1 GI:5968309
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.

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TITLE      C-myb ribozymes having 2'-5'-linked adenylylate residues
JOURNAL    Patent: US 5817796-A 1637 06-OCT-1998;
FEATURES   Location/Qualifiers
source     1..17
           /organism="unknown"
           /mol_type="unassigned DNA"

Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1380 ATCGTCTTCTGATCAAA 1396
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Db 1 AACTTCTTCTGCTCAAA 17

RESULT 63
BD258284
LOCUS      17 bp DNA linear PAT 17-JUL-2003
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION  BD258284
VERSION     BD258284.1 GI:33068054
KEYWORDS   JP 2002541795-A/6077.
SOURCE     unidentified
ORGANISM   unclassified.
REFERENCE  1 (bases 1 to 17)
AUTHORS   Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE      Regulation of repressor genes using nucleic acid molecules
JOURNAL    Patent: JP 2002541795-A 6077 10-DEC-2002;
           RIBOZYME PHARMACEUTICALS INC
COMMENT    OS Eukaryote
           PN JP 2002541795-A/6077
           PD 10-DEC-2002
           PF 11-APR-2000 JP 2000611654
           PR 12-APR-1999 US 60/129390
           PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC
           C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
           C12P21/02,
           PC
           C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
           C12R1:91),
           PC (C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
           PC A61K37/02,
           PC (C12N5/00,C12R1:91)
           CC Regulation of repressor genes using nucleic acid molecules FH
           Key Location/Qualifiers
           FT source 1..17
           /organism='Eukaryote'.

FEATURES   source
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           /organism="unidentified"
           /mol_type="genomic DNA"
           /db_xref="taxon:32644"

Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGTAATGA 1416
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Db 1 GGTAAATTTCTAAATAA 17

RESULT 65
I53896
LOCUS      17 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 1637 from patent US 5646042.
ACCESSION  I53896
VERSION     I53896.1 GI:2475099
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 17)
AUTHORS   Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
TITLE      C-myb targeted ribozymes
JOURNAL    Patent: US 5646042-A 1637 08-JUL-1997;
           Location/Qualifiers
FEATURES   source 1..17
           /organism="unknown"
           /mol_type="unassigned DNA"

Query Match      9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1380 ATCGTCTTCTGATCAAA 1396
      |||||
Db 1 AACTTCTTCTGCTCAAA 17

RESULT 66
AR190069
LOCUS      17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 5557 from patent US 6346398.
ACCESSION  AR190069
VERSION     AR190069.1 GI:20236034
KEYWORDS   .
SOURCE     Unidentified
ORGANISM   Unclassified.

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DEFINITION Sequence 3222 from Patent WO0159103.
ACCESSION AX217780
VERSION AX217780.1 GI:15527841
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL nogo gene expression
PATENT: WO 0159103-A 3222 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
Mcswiggen, James (US) ; Chowrira, Bharat M. (US)
Mcswiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1384 TCTTCTGATCAAGGAG 1400
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Db 17 TCTTCTGCTGACGAG 1

RESULT 72
AX422844
LOCUS AX422844 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1180 from Patent WO0188124.
ACCESSION AX422844
VERSION AX422844.1 GI:21526226
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1180 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATCAGCAG 1423
|||||
Db 1 TTGTGAGTGAGGACCAG 17

RESULT 73
AX423466
LOCUS AX423466 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1802 from Patent WO0188124.
ACCESSION AX423466
VERSION AX423466.1 GI:21526848
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1802 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
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/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1409 GTTAATGATGACCAAGTC 1425
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Db 1 GTGAGTGAGGACCAGTC 17

RESULT 74
AX423467
LOCUS AX423467 17 bp RNA linear PAT 18-JUN-2002
DEFINITION Sequence 1803 from Patent WO0188124.
ACCESSION AX423467
VERSION AX423467.1 GI:21526849
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 1803 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
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/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1410 TTAATGATGACCAAGTCG 1426
|||||
Db 1 TGAGTGAGGACCAGTCG 17

RESULT 75
AX671628
LOCUS AX671628 17 bp DNA linear PAT 27-MAR-2003
DEFINITION Sequence 73 from Patent WO03004526.
ACCESSION AX671628
VERSION AX671628.1 GI:29329976
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE
AUTHORS Telerman,A., Amsen,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
medicines
JOURNAL Patent: WO 03004526-A 73 16-JAN-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned RNA"
/db_xref="taxon:9606"

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Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGAGGAGTAAAA 1406
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1 GATCTGAGGAGATAAAA 17

Db

RESULT 76
AX727494/c
LOCUS
DEFINITION
Sequence 744 from Patent WO03004526.
ACCESSION
AX727299
VERSION
AX727299.1 GI:29330647
KEYWORDS
Homo sapiens (human)
SOURCE
ORGANISM
Homo sapiens
REFERENCE
Telerman,A., Amson,R. and Tuijnder,M.
AUTHORS
TITLE
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
medicines
JOURNAL
Patent: WO 03004526-A 744 16-JAN-2003;
Molecular Engines Laboratories (FR)
FEATURES
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1379 GATCGTCTTCTGATCAA 1395
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1 GATCATCTTCTCTGATCAA 17

Db

RESULT 77
AX723639
LOCUS
DEFINITION
Sequence 1326 from Patent WO03025176.
ACCESSION
AX723639
VERSION
AX723639.1 GI:30502982
KEYWORDS
Mus musculus (house mouse)
SOURCE
ORGANISM
Mus musculus
REFERENCE
Telerman,A., Amson,R. and Tuijnder,M.
AUTHORS
TITLE
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL
Patent: WO 03025176-A 1326 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
Location/Qualifiers
source
1..17
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/mol_type="unassigned DNA"
/db_xref="taxon:10090"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGAGGAGTAAAA 1406
|||||
1 GATCTGAGGAGATAAAA 17

Db

RESULT 78
AX727494/c
LOCUS
DEFINITION
Sequence 5181 from Patent WO03025176.
ACCESSION
AX727494
VERSION
AX727494.1 GI:30506837
KEYWORDS
Mus musculus (house mouse)
SOURCE
ORGANISM
Mus musculus
REFERENCE
Telerman,A., Amson,R. and Tuijnder,M.
AUTHORS
TITLE
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL
Patent: WO 03025176-A 5181 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
Location/Qualifiers
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Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGATGACC 1421
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17 AATTATTAAAGATGATC 1

Db

RESULT 79
AX730587
LOCUS
DEFINITION
Sequence 2221 from Patent WO03025175.
ACCESSION
AX730587
VERSION
AX730587.1 GI:30509930
KEYWORDS
Homo sapiens (human)
SOURCE
ORGANISM
Homo sapiens
REFERENCE
Telerman,A., Amson,R. and Tuijnder,M.
AUTHORS
TITLE
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL
Patent: WO 03025175-A 2221 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1379 GATCGTCTTCTGATCAA 1395
|||||
1 GATCTGTTCTTGACAA 17

Db

RESULT 80
AX723639
LOCUS
DEFINITION
Sequence 1326 from Patent WO03025176.
ACCESSION
AX723639
VERSION
AX723639.1 GI:30502982
KEYWORDS
Mus musculus (house mouse)
SOURCE
ORGANISM
Mus musculus
REFERENCE
Telerman,A., Amson,R. and Tuijnder,M.
AUTHORS
TITLE
Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL
Patent: WO 03025176-A 1326 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
Location/Qualifiers
source
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/organism="Mus musculus"
/mol_type="unassigned DNA"
/db_xref="taxon:10090"

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

AX732099
LOCUS AX732099 17 bp DNA PAT 08-MAY-2003
DEFINITION Sequence 3733 from Patent WO03025175.
ACCESSION AX732099
VERSION AX732099.1 GI:30511442
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
JOURNAL Patent: WO 03025175-A 3733 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1390 GATCAAGAGGAGTAA 1406
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Db 1 GATCAAGAGGAGTAA 17
RESULT 81
AX736761/c
LOCUS AX736761 17 bp DNA PAT 08-MAY-2003
DEFINITION Sequence 2351 from Patent WO03025177.
ACCESSION AX736761
VERSION AX736761.1 GI:30516049
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
JOURNAL Patent: WO 03025177-A 2351 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1390 GATCAAGAGGAGTAA 1406
|||||
Db 1 GATCAAGAGGAGTAA 17
RESULT 82
AX737962
LOCUS AX737962 17 bp DNA PAT 08-MAY-2003
DEFINITION Sequence 3552 from Patent WO03025177.
ACCESSION AX737962
VERSION AX737962.1 GI:30517250
KEYWORDS Homo sapiens (human)
SOURCE

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
JOURNAL Patent: WO 03025177-A 3552 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source
1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1390 GATCAAGAGGAGTAA 1406
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Db 1 GATCAAGAGGAGTAA 17
RESULT 83
AX738633
LOCUS AX738633 17 bp DNA PAT 08-MAY-2003
DEFINITION Sequence 4223 from Patent WO03025177.
ACCESSION AX738633
VERSION AX738633.1 GI:30517923
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
JOURNAL Patent: WO 03025177-A 4223 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1390 GATCAAGAGGAGTAA 1406
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Db 1 GATCAAGAGGAGTAA 17
RESULT 84
AX744261
LOCUS AX744261 17 bp DNA PAT 14-MAY-2003
DEFINITION Sequence 226 from Patent WO03031621.
ACCESSION AX744261
VERSION AX744261.1 GI:30722928
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
REFERENCE
AUTHORS Zhang,J.
TITLE A human G protein coupled receptor
JOURNAL Patent: WO 03031621-A 226 17-APR-2003;

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Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAGGAGG 1401
Db 1 CTTCTGGTCTTAGGAGG 17

RESULT 85
LOCUS AX758410/c 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 1731 from Patent WO03040369.
ACCESSION AX758410
VERSION AX758410.1 GI:32253026
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 1731 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES
source
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1356 AAAATATCCACGCATC 1372
Db 17 AAAATAATGCACGCATC 1

RESULT 86
LOCUS AX759009 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 2330 from Patent WO03040369.
ACCESSION AX759009
VERSION AX759009.1 GI:32253625
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 2330 15-MAY-2003;
Molecular Engines Laboratories (FR)
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/organism="Homo sapiens"
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Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="genomic DNA"
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Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAAA 1406
Db 1 GATCAAGAGGAGAAAGA 17

RESULT 87
LOCUS AX760612 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 3933 from Patent WO03040369.
ACCESSION AX760612
VERSION AX760612.1 GI:32255228
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 3933 15-MAY-2003;
Molecular Engines Laboratories (FR)
FEATURES
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1377 GCGATCGTCTCTGATC 1393
Db 17 GCGTTCGTGTGTGATC 1

RESULT 88
LOCUS AX762000 17 bp DNA linear PAT 25-JUN-2003
DEFINITION Sequence 5321 from Patent WO03040369.
ACCESSION AX762000
VERSION AX762000.1 GI:32256616
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
JOURNAL Patent: WO 03040369-A 5321 15-MAY-2003;
Molecular Engines Laboratories (FR)
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Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAAA 1406
Db 1 GATCAAGGAGAAACA 17
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RESULT 89
BD202969
LOCUS          17 bp  RNA  linear  PAT 17-JUL-2003
DEFINITION    Method and reagent for treating diseases or conditions concerning
               molecule participating in vasculogenic response.
ACCESSION     BD202969
VERSION       BD202969.1  GI:33012739
KEYWORDS      JP 2002050721-A/5995.
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
               Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE     1  (bases 1 to 17)
AUTHORS      Pavco,P.A., Roberts,E., Jarvis,T., Coeshott,C. and Mcswiggen,J.A.
TITLE        Method and reagent for treating diseases or conditions concerning
               molecule participating in vasculogenic response
JOURNAL      Patent: JP 200209721-A 5995 02-APR-2002;
               RIBOZYME PHARMACEUTICALS INC
COMMENT       OS Homo sapiens (human)
               PN JP 2002050721-A/5995
               PD 02-APR-2002
               PF 24-MAR-1999 JP 2000541291
               PR 27-MAR-1998 US 60/079678
               PI PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
               PI JAMES A MCSWIGGEN
               PC
               C12N15/09,A61K31/7088,A61K31/7125,A61K48/00,A61P3/10,A61P17/06, PC
               A61P29/00,
               PC A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
               C12N5/00
               CC Method and reagent for treating diseases or conditions CC
               concerning molecule
               CC participating in vasculogenic response
FH Key Location/Qualifiers
FT source 1..17
               /organism='Homo sapiens (human)'.
               Location/Qualifiers
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               /mol_type='genomic RNA'
               /db_xref='taxon:9606'

Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGGTGATCA 1463
Db 1 GGAAGATTGTTGATAA 17
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RESULT 90
AX377083
LOCUS          15 bp  DNA  linear  PAT 18-MAR-2002
DEFINITION    Sequence 4 from Patent WO0212561.
ACCESSION     AX377083
VERSION       AX377083.1  GI:19573374
KEYWORDS      Homo sapiens (human)
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
               Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE     1
AUTHORS      Kazemi,A., Messer,C. and Tanguay,D.A.
TITLE        Haplotypes of the origl gene
JOURNAL      Patent: WO 0212561-A 4 14-FEB-2002;
               Genaisance Pharmaceuticals, Inc. (US)
               Location/Qualifiers
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               /organism='Homo sapiens'
               /mol_type='unassigned DNA'

Query Match          9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 51;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGGTGATCA 1463
Db 1 GGAAGATTGTTGATAA 17
|||||
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Query Match          9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 51;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1396 AGGAGTAAATTTG 1409
Db 1 AGAAGTFAAATTG 14
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RESULT 91
BD253926/c
LOCUS          17 bp  DNA  linear  PAT 17-JUL-2003
DEFINITION    Regulation of repressor genes using nucleic acid molecules.
ACCESSION     BD253926
VERSION       BD253926.1  GI:33063696
KEYWORDS      JP 2002541795-A/1719.
SOURCE        unidentified
               unclassified
REFERENCE     1  (bases 1 to 17)
AUTHORS      Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE        Regulation of repressor genes using nucleic acid molecules
JOURNAL      Patent: JP 2002541795-A 1719 10-DEC-2002;
               RIBOZYME PHARMACEUTICALS INC
COMMENT       OS Eukaryote
               PN JP 2002541795-A/1719
               PD 10-DEC-2002
               PF 11-APR-2000 JP 2000611654
               PR 12-APR-1999 US 60/129390
               PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
               C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10, PC
               C12P21/02,
               PC
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               C12R1:91),
               PC A61K37/02,(C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
               PC A61K37/02
               PC (C12N5/00,C12R1:91)
               CC Regulation of repressor genes using nucleic acid molecules FH
               Key Location/Qualifiers
               1..17
               /organism='Eukaryote'.
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               /mol_type='genomic DNA'
               /db_xref='taxon:32644'

Query Match          9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1347 AGCGGAAGAAAA 1358
Db 17 AGCGGAAGAAAA 6
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RESULT 92
BD253927/c
LOCUS          17 bp  DNA  linear  PAT 17-JUL-2003
DEFINITION    Regulation of repressor genes using nucleic acid molecules.
ACCESSION     BD253927
VERSION       BD253927.1  GI:33063697
KEYWORDS      JP 2002541795-A/1720.
SOURCE        unidentified
               unclassified
REFERENCE     1  (bases 1 to 17)
AUTHORS      Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
TITLE        Regulation of repressor genes using nucleic acid molecules
JOURNAL      Patent: JP 2002541795-A 1720 10-DEC-2002;

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COMMENT
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/1720
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
C12N15/09, A61K38/00, A61P43/00, A61P43/00, C12N5/10, PC
C12P21/02,
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C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
C12R1:91),
PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
PC A61K37/02,
PC (C12N5/00, C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
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Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1347 AGGGGAAGAAAA 1358
Db 16 AGGGGAAGAAAA 5
RESULT 93
BD253928/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD253928
VERSION BD253928.1 GI:33063698
KEYWORDS JP 2002541795-A/1721.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE
1 (bases 1 to 17)
AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 1721 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/1721
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
C12N15/09, A61K38/00, A61P43/00, A61P43/00, C12N5/10, PC
C12P21/02,
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C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
C12R1:91),
PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
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PC (C12N5/00, C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
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Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1347 AGGGGAAGAAAA 1358
Db 16 AGGGGAAGAAAA 5
RESULT 93
BD253928/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD253928
VERSION BD253928.1 GI:33063698
KEYWORDS JP 2002541795-A/1721.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE
1 (bases 1 to 17)
AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 1721 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/1721
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
C12N15/09, A61K38/00, A61P43/00, A61P43/00, C12N5/10, PC
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C12R1:91),
PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
PC A61K37/02,
PC (C12N5/00, C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
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Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1347 AGGGGAAGAAAA 1358
Db 13 AGGGGAAGAAAA 2
RESULT 95
BD255282/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255282
VERSION BD255282.1 GI:33065052
KEYWORDS JP 2002541795-A/3075.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE
1 (bases 1 to 17)
AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3075 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/1722
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
C12N15/09, A61K38/00, A61P43/00, A61P43/00, C12N5/10, PC
C12P21/02,
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C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
C12R1:91),
PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
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PC (C12N5/00, C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH
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Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1347 AGGGGAAGAAAA 1358
Db 13 AGGGGAAGAAAA 2
RESULT 95
BD255282/c
LOCUS
DEFINITION Regulation of repressor genes using nucleic acid molecules.
ACCESSION BD255282
VERSION BD255282.1 GI:33065052
KEYWORDS JP 2002541795-A/3075.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE
1 (bases 1 to 17)
AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
TITLE Regulation of repressor genes using nucleic acid molecules
JOURNAL Patent: JP 2002541795-A 3075 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
OS Eukaryote
PN JP 2002541795-A/1722
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
C12N15/09, A61K38/00, A61P43/00, A61P43/00, C12N5/10, PC
C12P21/02,
PC
C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
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PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
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PC (C12N5/00, C12R1:91)
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Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 13 AGGGGAAGAAAA 2

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PN JP 2002541795-A/3075
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 C12P21/02,
 PC
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 C12R1:91),
 PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
 PC A61K37/02,
 PC (C12N5/00, C12R1:91)
 CC Regulation of repressor genes using nucleic acid molecules FH
 Key source 1..17 Location/Qualifiers
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 FT location/Qualifiers
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 Query Match 9.2%; Score 12; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 57;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1441 ATACATGGGAAGA 1452
 Db 17 ATACATGGGAAGA 6

RESULT 96
 LOCUS 17 bp DNA linear PAT 17-JUL-2003
 DEFINITION Regulation of repressor genes using nucleic acid molecules.
 ACCESSION BD255531
 VERSION BD255531.1 GI:33065301
 KEYWORDS JP 2002541795-A/3324.
 SOURCE unidentified
 ORGANISM unclassified.
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
 TITLE Regulation of repressor genes using nucleic acid molecules
 JOURNAL Patent: JP 2002541795-A 3324 10-DEC-2002;
 RIBOZYME PHARMACEUTICALS INC
 COMMENT OS Eukaryote
 PN JP 2002541795-A/3324
 PD 10-DEC-2002
 PF 11-APR-2000 JP 2000611654
 PR 12-APR-1999 US 60/129390
 PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
 C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
 C12P21/02,
 PC
 C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
 C12R1:91),
 PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
 PC A61K37/02,
 PC (C12N5/00, C12R1:91)
 CC Regulation of repressor genes using nucleic acid molecules FH
 Key source 1..17 Location/Qualifiers
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 FT location/Qualifiers
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 Query Match 9.2%; Score 12; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 57;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1355 AAAAATATTCCA 1366
 Db 3 AAAAATATTCCA 14
 RESULT 97
 LOCUS 17 bp DNA linear PAT 17-JUL-2003
 DEFINITION Regulation of repressor genes using nucleic acid molecules.
 ACCESSION BD255532
 VERSION BD255532.1 GI:33065302
 KEYWORDS JP 2002541795-A/3325.
 SOURCE unidentified
 ORGANISM unclassified.
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
 TITLE Regulation of repressor genes using nucleic acid molecules
 JOURNAL Patent: JP 2002541795-A 3325 10-DEC-2002;
 RIBOZYME PHARMACEUTICALS INC
 COMMENT OS Eukaryote
 PN JP 2002541795-A/3325
 PD 10-DEC-2002
 PF 11-APR-2000 JP 2000611654
 PR 12-APR-1999 US 60/129390
 PI LAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC
 C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
 C12P21/02,
 PC
 C12P21/02, C12P21/02//A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
 C12R1:91),
 PC (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
 PC A61K37/02,
 PC (C12N5/00, C12R1:91)
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 FT location/Qualifiers
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 /db_xref='taxon:32644'
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 Best Local Similarity 100.0%; Pred. No. 57;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1355 AAAAATATTCCA 1366
 Db 1 AAAAATATTCCA 12
 RESULT 98
 LOCUS 17 bp DNA linear PAT 08-MAY-2003
 DEFINITION Sequence 1141 from Patent WO03025176.
 ACCESSION AX723454
 VERSION AX723454.1 GI:30423955
 KEYWORDS Mus musculus (house mouse)
 SOURCE Mus musculus
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1
 REFERENCE Telerman, A., Amson, R. and Tuijnder, M.
 AUTHORS Sequences involved in phenomena of tumour suppression, tumour
 TITLE reversion, apoptosis and/or virus resistance and their use as
 JOURNAL medicines
 Patent: WO 03025176-A 1141 27-MAR-2003;
 Molecular Engines Laboratories (FR)

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QY 1406 ATTGTTAATGAT 1417
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  13 ATTGTTAATGAT 2

RESULT 99
LOCUS
  I39067
  DEFINITION
    Sequence 105 from patent US 5616488.
  ACCESSION
    I39067
  VERSION
    I39067.1 GI:2083547
  KEYWORDS
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  SOURCE
    Unknown.
  ORGANISM
    Unknown.
  REFERENCE
    1 (bases 1 to 15)
    AUTHORS
      Sullivan,S., Draper,K.G., McSwiggen,J. and Stinchcomb,D.T.
    TITLE
      IL-5 targeted ribozymes
    JOURNAL
      Patent: US 5616488-A 105 01-APR-1997;
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          /mol_type="unassigned DNA"

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QY 1357 AAATATTCACGCAT 1371
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  1 AAATATTCACGCAT 15

RESULT 100
AR180199/c
LOCUS
  AR180199
  DEFINITION
    Sequence 267 from patent US 633152.
  ACCESSION
    AR180199
  VERSION
    AR180199.1 GI:20222232
  KEYWORDS
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  SOURCE
    Unknown.
  ORGANISM
    Unknown.
  REFERENCE
    1 (bases 1 to 15)
    AUTHORS
      Vogelstein,B., Kinzler,K.W., Zhang,L. and Zhou,W.
    TITLE
      Gene expression profiles in normal and cancer cells
    JOURNAL
      Patent: US 633152-A 267 25-DEC-2001;
    FEATURES
      Location/Qualifiers
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          /mol_type="unassigned DNA"

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      Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1433 GCAGACATATACATG 1447
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  15 GTAGACATACATG 1

RESULT 101
AX635362
LOCUS
  AX635362
  DEFINITION
    Sequence 2501 from Patent EP1260586.
  ACCESSION
    AX635362
  VERSION
    AX635362.1 GI:28470976
  KEYWORDS
    .
  SOURCE
    unidentified
    ORGANISM
    unclassified.
  REFERENCE
    1
    AUTHORS
      Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
      Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J.,
      Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
      Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
      Woolf,T.
    TITLE
      Method and reagent for inhibiting the expression of disease related
      genes
    JOURNAL
      Patent: EP 1260586-A 2501 27-NOV-2002;
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      Query Match
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QY 1357 AAATATTCACGCAT 1371
  |||||
  1 AAATATTCACGCAT 15

RESULT 102
AL0123
LOCUS
  AL0123
  DEFINITION
    Nucleotide sequence 5 from patent number EP0224294.
  ACCESSION
    AL0123
  VERSION
    AL0123.1 GI:412032
  KEYWORDS
    .
  SOURCE
    unidentified
    ORGANISM
    unclassified.
  REFERENCE
    1 (bases 1 to 16)
    AUTHORS
      van EE,J.H.
    TITLE
      Regulatory region cloning and analysis plasmid for bacillus
    JOURNAL
      Patent: EP 0224294-A 5 03-JUN-1987;
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          /db_xref="taxon:32644"

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      Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
      Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAAGGAGGTAA 1404
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  1 GATCAAAGGAGGTGA 15

RESULT 103
AL0125
LOCUS
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  DEFINITION
    Nucleotide sequence 7 from patent number EP0224294.
  ACCESSION
    AL0125
  VERSION
    AL0125.1 GI:412034
  KEYWORDS
    .
  SOURCE
    unidentified
    ORGANISM
    unclassified.

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REFERENCE 1 (bases 1 to 16)
AUTHORS van EE,J.H.
TITLE Regulatory region cloning and analysis plasmid for bacillus
JOURNAL Patent: EP 0224294-A 7 03-JUN-1987;
GIST-BROCADES N.V
FEATURES
source
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Location/Qualifiers
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Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAA 1404
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Db 1 GATCAAGGAGGTGA 15

RESULT 104
LOCUS A10140 16 bp DNA linear PAT 02-SEP-1993
DEFINITION Nucleotide sequence 22 from patent number EP0224294.
ACCESSION A10140
VERSION A10140.1 GI:412049
KEYWORDS
SOURCE unidentified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 16)
AUTHORS van EE,J.H.
TITLE Regulatory region cloning and analysis plasmid for bacillus
JOURNAL Patent: EP 0224294-A 22 03-JUN-1987;
GIST-BROCADES N.V
FEATURES
source
1..16
Location/Qualifiers
/organism="unidentified"
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Query Match 9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGGAGGTAA 1404
|||||
Db 1 GATCAAGGAGGTGA 15

RESULT 105
LOCUS A42573 16 bp DNA linear PAT 06-MAR-1997
DEFINITION Sequence 89 from Patent WO9502051.
ACCESSION A42573
VERSION A42573.1 GI:2298022
KEYWORDS
SOURCE unidentified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 16)
AUTHORS Schlingensiepen,G., Schlingensiepen,R., Schlingensiepen,K. and Brysch,W.
TITLE A PHARMACUTICAL COMPOSITION COMPRISING ANTISENSE-NUCLEIC ACID FOR PREVENTION AND/OR TREATMENT OF NEURONAL INJURY, DEGENERATION AND CELL DEATH AND FOR THE TREATMENT OF NEOPLASMS
JOURNAL Patent: WO 9502051-A 89 19-JAN-1995;
COMMENT BIOGNOSTIK GES FUER BIOMOLEKUL (DE)
Other publication AU 7345694 950206.
FEATURES
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Location/Qualifiers
/organism="unidentified"
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/db_xref="taxon:32644"

Query Match 9.1%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGGAAGA 1452
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Db 15 CATCAACATGGAAGA 1

RESULT 106
LOCUS A88762 16 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 910 from Patent WO9833904.
ACCESSION A88762
VERSION A88762.1 GI:6737332
KEYWORDS
SOURCE unidentified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 16)
AUTHORS Brysch,W. and Schlingensiepen,K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 910 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
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/organism="unidentified"
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Best Local Similarity 86.7%; Pred. No. 60;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGGAAGA 1452
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Db 15 CATCAACATGGAAGA 1

RESULT 107
LOCUS E01296 16 bp DNA linear PAT 29-SEP-1997
DEFINITION DNA which has ribosome binding region.
ACCESSION E01296
VERSION E01296.1 GI:2169555
KEYWORDS JP 1987181789-A/3.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 16)
AUTHORS Van,H.B.E.E.
TITLE PLASMID FOR CLONING AND ANALYZING CONTROL REGION OF BATILLUS
JOURNAL Patent: JP 1987181789-A 3 10-AUG-1987;
GIST BROCADES NV
COMMENT OS Artificial gene
OC Artificial sequence; Genes.
PN JP 1987181789-A/3
PD 10-AUG-1987
PF 07-NOV-1986 JP 1986265399
PI 08-NOV-1985 NL 85 8503074
PT YAN HENDORITSUKU BUAN EE
PC C12N15/00,C12N1/20,C12N9/28,C12P21/00,C12Q1/68//C07H21/04, PC (C12N1/20,
PC C12R1:125), (C12N9/28,C12R1:125);
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CC topology: Linear;
CC hypothetical: No;
CC anti-sense: No;
FH Key
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Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
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Qy 1390 GATCAAGGAGGTAA 1404
Db 1 GATCCAGGAGGTGA 15

RESULT 108
AX572343
LOCUS AX572343 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 383 from Patent WO02055741.
ACCESSION AX572343
VERSION AX572343.1 GI:26004433
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
Viruses; Retroid viruses; Retroviridae; Lentivirus; Primate
lentivirus group.
REFERENCE
1 de Smet,K. and Stuyver,L.
AUTHORS Method for detection of drug-induced mutations in the hiv reverse
TITLE transcriptase gene
JOURNAL Patent: WO 02055741-A 383 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
source
Location/Qualifiers
1..16
/organism="Human immunodeficiency virus"
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Query Match
Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
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Qy 1441 ATACATGGAAGATGG 1455
Db 2 ATACATAGATGATGG 16

RESULT 109
BD066275/c
LOCUS BD066275 16 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066275
VERSION BD066275.1 GI:22611878
KEYWORDS JP 2001511000-A/910.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE
1 (bases 1 to 16)
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 910 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT
OS Unknown
PN JP 2001511000-A/910
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC CL2N15/11.C07H21/04.A61K31/70
CC An antisense oligonucleotide preparation method FH Key
Location/Qualifiers
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FT source
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FEATURES
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Best Local Similarity 9.1%; Score 11.8; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1438 CATATACATGGAAGA 1452
Db 15 CATCAACATGGAAGA 1

RESULT 110
A09444
LOCUS A09444 15 bp DNA linear PAT 09-NOV-1993
DEFINITION Oligonucleotide (e2).
ACCESSION A09444
VERSION A09444.1 GI:490547
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1 (bases 1 to 15)
AUTHORS Ueda,I., Niwa,M., Saitoh,Y., Satoh,S. and Yamada,H.
TITLE Process for production of somatostatin
JOURNAL Patent: EP 0197558-A 50 15-OCT-1986;
FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES
source
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Best Local Similarity 8.8%; Score 11.4; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1410 TTAATGATGACCA 1422
Db 3 TTAAGGATGACCA 15

RESULT 111
A10647
LOCUS A10647 15 bp DNA linear PAT 02-DEC-1993
DEFINITION Oligonucleotide (E2).
ACCESSION A10647
VERSION A10647.1 GI:490773
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1 (bases 1 to 15)
AUTHORS Ueda,I., Niwa,M., Saito,Y., Sato,S., Ono,H. and Kitaguchi,T.
TITLE Process for production of gamma-interferon
JOURNAL Patent: EP 0176916-A 32 09-APR-1986;
FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES
source
Location/Qualifiers
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/db_xref="taxon:32630"

Query Match
Best Local Similarity 8.8%; Score 11.4; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1410 TTAATGATGACCA 1422
Db 3 TTAAGGATGACCA 15

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RESULT 112
A11595
LOCUS           A11595           15 bp      DNA      linear      PAT 16-NOV-1993
DEFINITION      oligonucleotide 'e2'.
ACCESSION       A11595
VERSION         A11595.1  GI:491135
KEYWORDS        .
SOURCE          synthetic construct
ORGANISM        synthetic construct
                artificial sequences.
REFERENCE       1 (bases 1 to 15)
AUTHORS         Ueda,I., Niwa,M., Saitoh,Y., Sato,S., Ono,H. and Kitaguchi,T.
TITLE           S9 Valine insulin-like growth factor I and process for production
                thereof
JOURNAL         Patent: EP 0158892-A 91 23-OCT-1985;
                FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES        Location/Qualifiers
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Best Local Similarity 92.3%; Pred. No. 69;
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Qy 1410 TTAATGATGACCA 1422
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Db 3 TTAAGGATGACCA 15

RESULT 113
A35115
LOCUS           A35115           15 bp      DNA      linear      PAT 06-DEC-1996
DEFINITION      Synthetic IGF-I gene oligo.
ACCESSION       A35115
VERSION         A35115.1  GI:1926774
KEYWORDS        .
SOURCE          synthetic construct
ORGANISM        synthetic construct
                artificial sequences.
REFERENCE       1 (bases 1 to 15)
AUTHORS         Ueda,I., Niwa,M., Saitoh,S., Saitoh,Y. and Kusunoki,C.
TITLE           process for production of insulin-like growth factor I and plasmid
                for production thereof
JOURNAL         Patent: EP 0219814-A 65 29-APR-1987;
                FUJISAWA PHARMACEUTICAL CO., LTD
FEATURES        Location/Qualifiers
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Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1410 TTAATGATGACCA 1422
|||||
Db 3 TTAAGGATGACCA 15

RESULT 114
A64287
LOCUS           A64287           15 bp      DNA      linear      PAT 29-MAR-1999
DEFINITION      Sequence 75 from Patent WO9727332.
ACCESSION       A64287
VERSION         A64287.1  GI:3717718
KEYWORDS        .
SOURCE          unidentified
ORGANISM        unidentified

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1410 TTAATGATGACCA 1422
|||||
Db 3 TTAAGGATGACCA 15

REFERENCE       1
AUTHORS         Stuyver L., Louwagie, J. and Rossau, R.
TITLE           METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
                TRANSCRIPTASE GENE
JOURNAL         Patent: WO 9727332-A 75 31-JUL-1997;
                INNOGENETICS NV (BE)
COMMENT         Other publication AU 1444397 19970820.
FEATURES        Location/Qualifiers
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unclassified.
REFERENCE       1
AUTHORS         Stuyver L., Louwagie, J. and Rossau, R.
TITLE           METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
                TRANSCRIPTASE GENE
JOURNAL         Patent: WO 9727332-A 75 31-JUL-1997;
                INNOGENETICS NV (BE)
COMMENT         Other publication AU 1444397 19970820.
FEATURES        Location/Qualifiers
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Query Match      8.8%; Score 11.4; DB 1; Length 15;
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Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1441 ATACATGGAAGAT 1453
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Db 3 ATACATGGAAGAT 15

RESULT 115
AR036330
LOCUS           AR036330           15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION      Sequence 1 from patent US 5872104.
ACCESSION       AR036330
VERSION         AR036330.1  GI:5952998
KEYWORDS        .
SOURCE          Unknown.
ORGANISM        Unknown.
                Unclassified.
REFERENCE       1 (bases 1 to 15)
AUTHORS         Vermeulen, N.M.J. and Schwartz, D.E.
TITLE           Combinations and methods for reducing antimicrobial resistance
                Patent: US 5872104-A 1 16-FEB-1999;
                Location/Qualifiers
FEATURES        Location/Qualifiers
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Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
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Qy 1350 GGAGAGAAATAT 1362
|||||
Db 2 GGAGAGAAATAT 14

RESULT 116
AR053756
LOCUS           AR053756           15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION      Sequence 1 from patent US 5834258.
ACCESSION       AR053756
VERSION         AR053756.1  GI:5978618
KEYWORDS        .
SOURCE          Unknown.
ORGANISM        Unknown.
                Unclassified.
REFERENCE       1 (bases 1 to 15)
AUTHORS         Grifantini, R., Galli, G., Carpani, G. and Grandi, G.
TITLE           Process for the preparation of D-.alpha.-amino acids
                Patent: US 5834258-A 1 10-NOV-1998;
                Location/Qualifiers
FEATURES        Location/Qualifiers
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                /organism="unknown"
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Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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RESULT 122
AR262889 LOCUS 15 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 75 from patent US 6331389.
ACCESSION AR262889
VERSION AR262889.1 GI:28074592
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse
transcriptase gene
JOURNAL Patent: US 6331389-A 75 18-DEC-2001;
FEATURES Location/Qualifiers
source 1..15
/organism="unknown"
/mol_type="genomic DNA"
Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 69;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1441 ATACATGGAGAT 1453
Db 3 ATACATGGACGAT 15
RESULT 123
A64288 LOCUS 16 bp DNA linear PAT 29-MAR-1999
DEFINITION Sequence 76 from Patent WO972732.
ACCESSION A64288
VERSION A64288.1 GI:3717719
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1
AUTHORS Stuyver,L., Louwagie,J. and Rossau,R.
TITLE METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
TRANSCRIPTASE GENE
JOURNAL Patent: WO 972732-A 76 31-JUL-1997;
COMMENT INNOGENETICS NV (BE)
OTHER PUBLICATION AU 1444397 19970820.
FEATURES Location/Qualifiers
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/db_xref="taxon:32644"
Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1441 ATACATGGAGAT 1453
Db 4 ATACATGGACGAT 16
RESULT 124
AR102587 LOCUS 16 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 76 from patent US 6087093.
ACCESSION AR102587
VERSION AR102587.1 GI:12814175
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)

AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse
transcriptase gene
JOURNAL Patent: US 6087093-A 76 11-JUL-2000;
FEATURES Location/Qualifiers
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Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1441 ATACATGGAGAT 1453
Db 4 ATACATGGACGAT 16
RESULT 125
AR262890 LOCUS 16 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 76 from patent US 6331389.
ACCESSION AR262890
VERSION AR262890.1 GI:28074593
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse
transcriptase gene
JOURNAL Patent: US 6331389-A 76 18-DEC-2001;
FEATURES Location/Qualifiers
source 1..16
/organism="unknown"
/mol_type="genomic DNA"
Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1441 ATACATGGAGAT 1453
Db 4 ATACATGGACGAT 16
RESULT 126
AX328262 LOCUS 16 bp RNA linear PAT 07-JAN-2002
DEFINITION Sequence 34 from Patent WO0183754.
ACCESSION AX328262
VERSION AX328262.1 GI:18098243
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Kruger,M., Welch,P.J. and Barber,J.R.
TITLE Cellular regulators of infectious agents and methods of use
JOURNAL Patent: WO 0183754-A 34 08-NOV-2001;
FEATURES Location/Qualifiers
source 1..16
/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="Synthetic oligonucleotide"
Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;


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QY 1407 TTGTTAATGATGAC 1420
Db 16 TTGTTAATGACNAC 3

RESULT 127
AX572290
LOCUS AX572290 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 330 from Patent WO02055741.
ACCESSION AX572290
VERSION AX572290.1 GI:26004380
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
REFERENCE de Smet,K. and Stuyver,L.
AUTHORS Method for detection of drug-induced mutations in the hiv reverse
TITLE transcriptase gene
JOURNAL Patent: WO 02055741-A 330 18-JUL-2002;
FEATURES INNOGENETICS N.V. (BE)
source Location/Qualifiers
1..16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
Db 4 ATACATGGATGAT 16

RESULT 128
AX572293
LOCUS AX572293 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 333 from Patent WO02055741.
ACCESSION AX572293
VERSION AX572293.1 GI:26004383
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
REFERENCE de Smet,K. and Stuyver,L.
AUTHORS Method for detection of drug-induced mutations in the hiv reverse
TITLE transcriptase gene
JOURNAL Patent: WO 02055741-A 333 18-JUL-2002;
FEATURES INNOGENETICS N.V. (BE)
source Location/Qualifiers
1..16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 73;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
Db 2 ATACATGGATGAT 14

RESULT 129
I84476
LOCUS I84476 16 bp DNA linear PAT 04-APR-1998
DEFINITION Sequence 26 from patent US 5695939.

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ACCESSION I84476
VERSION I84476.1 GI:3021996
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)
AUTHORS Zhu,Q. and Lamb,C.J.
TITLE Plant defense genes and plant defense regulatory elements
JOURNAL Patent: US 5695939-A 26 09-DEC-1997;
FEATURES Location/Qualifiers
1..16
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 81;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATACAT 1446
Db 1 ATGCATGCATATGCAT 16

RESULT 130
AR435802
LOCUS AR435802 16 bp RNA linear PAT 18-DEC-2003
DEFINITION Sequence 61 from patent US 6656731.
ACCESSION AR435802
VERSION AR435802.1 GI:40198886
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 16)
AUTHORS Eckstein,F., Ludwig,J. and Beigelman,L.
TITLE Nucleic acid catalysts with endonuclease activity
JOURNAL Patent: US 6656731-A 61 02-DEC-2003;
FEATURES Location/Qualifiers
1..16
/organism="unknown"
/mol_type="unassigned RNA"

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 81;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAGAGAGGTAAA 1405
Db 1 GAGCAAGAGATGTTAAA 16

RESULT 131
AX572323
LOCUS AX572323 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 363 from Patent WO02055741.
ACCESSION AX572323
VERSION AX572323.1 GI:26004413
KEYWORDS
SOURCE Human immunodeficiency virus
ORGANISM Human immunodeficiency virus
REFERENCE 1
AUTHORS de Smet,K. and Stuyver,L.
TITLE Method for detection of drug-induced mutations in the hiv reverse
JOURNAL Patent: WO 02055741-A 363 18-JUL-2002;
FEATURES INNOGENETICS N.V. (BE)
source Location/Qualifiers
1..16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"

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/db_xref="taxon:12721"

Query Match
Best Local Similarity 8.6%; Score 11.2; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1436 GACATATACATGGAAG 1451
   ||| ||||| |||||
Db 1 GACCAATACATGGATG 16

RESULT 132
LOCUS AX572329 16 bp DNA linear PAT 29-NOV-2002
DEFINITION Sequence 369 from Patent WO02055741.
ACCESSION AX572329
VERSION AX572329.1 GI:26004419
KEYWORDS Human immunodeficiency virus
SOURCE Human immunodeficiency virus
ORGANISM Viruses; Retroviridae; Retroviridae; Lentivirus; Primate
REFERENCE 1
AUTHORS de Smet, K. and Stuyver, L.
TITLE Method for detection of drug-induced mutations in the hiv reverse
JOURNAL transcriptase gene
PATENT: WO 02055741-A 369 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
source
location/Qualifiers
1..16
/organism="Human immunodeficiency virus"
/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match
Best Local Similarity 8.6%; Score 11.2; DB 1; Length 16;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1442 TACATGGAAGATGGGT 1457
   ||||| ||||| ||
Db 1 TACATGGATGATTTGT 16

RESULT 133
LOCUS AR030107/c 11 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 296 from patent US 5861244.
ACCESSION AR030107
VERSION AR030107.1 GI:5943321
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 11)
AUTHORS Wang, C.-G. and Hepburn, A.G.
TITLE Genetic sequence assay using DNA triple strand formation
JOURNAL Patent: US 5861244-A 296 19-JAN-1999;
FEATURES
source
location/Qualifiers
1..11
/organism="unknown"
/mol_type="unassigned DNA"

Query Match
Best Local Similarity 8.5%; Score 11; DB 1; Length 11;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAA 1357
   ||||| |||||
Db 11 AGGGAAGAAA 1

RESULT 134
LOCUS AX099210/c 12 bp DNA linear PAT 02-APR-2001
DEFINITION Sequence 45 from Patent WO0119993.
ACCESSION AX099210
VERSION AX099210.1 GI:13538390
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Trucksis, M.
TITLE Virulence genes of M. marinum and M. tuberculosis
JOURNAL Patent: WO 0119993-A 45 22-MAR-2001;
University of Maryland, Baltimore (US) ; The Department of Veterans
Affairs (US)
FEATURES
source
location/Qualifiers
1..12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/Note="Synthetic Oligonucleotide"

Query Match
Best Local Similarity 100.0%; Pred. No. 70;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1372 CACGAGCGATC 1382
   ||||| |||||
Db 11 CACGAGCGATC 1

RESULT 135
LOCUS A00238 14 bp DNA linear PAT 18-MAR-1993
DEFINITION Artificial sequence for oligonucleotide R247.
ACCESSION A00238
VERSION A00238.1 GI:344141
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 14)
AUTHORS
JOURNAL Patent: GB 2140810-A 32 05-DEC-1984;
FEATURES
source
location/Qualifiers
1..14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match
Best Local Similarity 100.0%; Pred. No. 80;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAA 1395
   ||||| |||||
Db 3 CTTCTGATCAA 13

RESULT 136
LOCUS A01177 14 bp DNA linear PAT 02-JUL-1993
DEFINITION Artificial sequence for oligonucleotide R247.
ACCESSION A01177
VERSION A01177.1 GI:410784
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 14)
AUTHORS
JOURNAL Patent: WO 8404756-A 10 06-DEC-1984;
FEATURES
source
location/Qualifiers
1..14

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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match
Best Local Similarity 8.5%; Score 11; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAA 1395
Db 3 CTTCTGATCAA 13

RESULT 137
LOCUS A22508 14 bp DNA linear PAT 24-OCT-1994
DEFINITION Oligonucleotide R247.
ACCESSION A22508
VERSION A22508.1 GI:641532
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 14)
AUTHORS Bennett,A.D., Rhind,S.K., Lowe,P.A. and Hentschel,C.C.G.
TITLE Polypeptide and protein products, and processes for their
JOURNAL production and use
Patent: EP 0131363-A 10 16-JAN-1985;
CELLTECH LIMITED
FEATURES
source
Location/Qualifiers
1..14
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match
Best Local Similarity 8.5%; Score 11; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAA 1395
Db 3 CTTCTGATCAA 13

RESULT 138
LOCUS AR374275 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 6 from patent US 6605431.
ACCESSION AR374275
VERSION AR374275.1 GI:40076990
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Gourse,R.L., Estrem,S.T., Ross,W.E. and Gaal,T.
TITLE Promoter elements and methods of use
JOURNAL Patent: US 6605431-A 6 12-AUG-2003;
FEATURES
source
Location/Qualifiers
1..14
/organism="unknown"
/mol_type="genomic DNA"

Query Match
Best Local Similarity 8.5%; Score 11; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 139
LOCUS AX357289 15 bp DNA linear PAT 13-FEB-2002
DEFINITION Sequence 13 from Patent WO0185208.
ACCESSION AX357289
VERSION AX357289.1 GI:18674441
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Seibel,P., Dunant,N., Bachmann,M., Tissot,A. and Lechener,F.
TITLE Molecular antigen arrays and vaccines
JOURNAL Patent: WO 0185208-A 13 15-NOV-2001;
Cytos Biotechnology AG (CH) ; Seibel, Peter (CH) ; Dunant, Nicolas
(CH) ; Bachmann, Martin (CH) ; Tissot, Alain (CH) ; Lechener,
Franziska (CH)
FEATURES
source
Location/Qualifiers
1..15
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Modified ribosome binding site"

Query Match
Best Local Similarity 8.5%; Score 11; DB 1; Length 15;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11

RESULT 140
LOCUS AX456096 15 bp DNA linear PAT 06-JUL-2002
DEFINITION Sequence 9 from Patent WO0209751.
ACCESSION AX456096
VERSION AX456096.1 GI:21715043
KEYWORDS Escherichia coli
SOURCE Escherichia coli
ORGANISM Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
REFERENCE 1
AUTHORS Bachmann,M.F. and Renner,W.A.
TITLE Compositions for inducing self-specific anti-ige antibodies and
JOURNAL uses thereof
Patent: WO 0209751-A 9 07-FEB-2002;
Cytos Biotechnology AG (CH) ; Bachmann, Martin (CH) ; Renner,
Wolfgang Andreas (CH)
FEATURES
source
Location/Qualifiers
1..15
/organism="Escherichia coli"
/mol_type="unassigned DNA"
/db_xref="taxon:562"

Query Match
Best Local Similarity 8.5%; Score 11; DB 1; Length 15;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
Db 1 AGGAGGTAAAA 11

RESULT 141
LOCUS AX551046 15 bp DNA linear PAT 26-NOV-2002
DEFINITION Sequence 13 from Patent WO02056907.
ACCESSION AX551046
VERSION AX551046.1 GI:25814044
KEYWORDS synthetic construct
SOURCE synthetic construct

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ORGANISM      synthetic construct
              artificial sequences.
REFERENCE
AUTHORS      Renner, W.A., Bachmann, M., Tissot, A., Maurer, P., Lechner, F.,
              Sebbel, P. and Piossek, C.
TITLE        Molecular antigen array
JOURNAL      Patent: WO 02056907-A 13 25-JUL-2002;
              Cytos Biotechnology AG (CH); Novartis Pharma AG. (CH); Renner,
              Wolfgang Andreas (CH); Bachmann, Martin (CH); Tissot, Alain (CH)
              ; Maurer, Patrick (CH)
FEATURES
source       Location/Qualifiers
              1..15
              /organism="synthetic construct"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32630"
              /note="Modified ribosome binding site"
Query Match      8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1396 AGGAGGTAATAA 1406
Db 1 AGGAGGTAATAA 11
RESULT 142
AX551746
LOCUS          AX551746          15 bp      DNA          linear          PAT 26-NOV-2002
DEFINITION     Sequence 13 from Patent WO02056905.
ACCESSION      AX551746
VERSION        AX551746.1 GI:25814545
KEYWORDS       synthetic construct
SOURCE         synthetic construct
ORGANISM       artificial sequences.
REFERENCE      1
AUTHORS        Renner, W.A., Bachmann, M., Tissot, A., Maurer, P., Lechner, F.,
              Sebbel, P. and Piossek, C.
TITLE          Molecular antigen array
JOURNAL        Patent: WO 02056905-A 13 25-JUL-2002;
              Cytos Biotechnology AG (CH)
FEATURES
source       Location/Qualifiers
              1..15
              /organism="synthetic construct"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32630"
              /note="Modified ribosome binding site"
Query Match      8.5%; Score 11; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1396 AGGAGGTAATAA 1406
Db 1 AGGAGGTAATAA 11
RESULT 143
A88589
LOCUS          A88589          14 bp      DNA          linear          PAT 22-JAN-2000
DEFINITION     Sequence 737 from Patent WO9833904.
ACCESSION      A88589
VERSION        A88589.1 GI:6737159
KEYWORDS       unidentified
SOURCE         unidentified
ORGANISM       unclassified.
REFERENCE      1 (bases 1 to 14)
AUTHORS        Brysch, W. and Schlingsensiepen, K.
TITLE          AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL        Patent: WO 9833904-A 737 06-AUG-1998;
              BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
ORGANISM      synthetic construct
              artificial sequences.
REFERENCE
AUTHORS      Renner, W.A., Bachmann, M., Tissot, A., Maurer, P., Lechner, F.,
              Sebbel, P. and Piossek, C.
TITLE        Molecular antigen array
JOURNAL      Patent: WO 02056907-A 13 25-JUL-2002;
              Cytos Biotechnology AG (CH); Novartis Pharma AG. (CH); Renner,
              Wolfgang Andreas (CH); Bachmann, Martin (CH); Tissot, Alain (CH)
              ; Maurer, Patrick (CH)
FEATURES
source       Location/Qualifiers
              1..14
              /organism="unassigned DNA"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32644"
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1402 TAAAAATTGTTAATG 1415
Db 1 TAAAAATTGTTAATG 14
RESULT 144
A90556
LOCUS          A90556          14 bp      DNA          linear          PAT 22-JAN-2000
DEFINITION     Sequence 737 from Patent EP0856579.
ACCESSION      A90556
VERSION        A90556.1 GI:6739070
KEYWORDS       unidentified
SOURCE         unidentified
ORGANISM       unclassified.
REFERENCE      1 (bases 1 to 14)
AUTHORS        Brysch, W.D. and Schlingsensiepen, K.D.
TITLE          An antisense oligonucleotide preparation method
JOURNAL        Patent: EP 0856579-A 737 05-AUG-1998;
              BIOGNOSTIK GES (DE)
FEATURES
source       Location/Qualifiers
              1..14
              /organism="unassigned DNA"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32644"
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1402 TAAAAATTGTTAATG 1415
Db 1 TAAAAATTGTTAATG 14
RESULT 145
AR205552/c
LOCUS          AR205552/c      14 bp      DNA          linear          PAT 20-JUN-2002
DEFINITION     Sequence 86 from patent US 6369027.
ACCESSION      AR205552
VERSION        AR205552.1 GI:21503164
KEYWORDS       Unknown.
SOURCE         Unknown.
ORGANISM       Unclassified.
REFERENCE      1 (bases 1 to 14)
AUTHORS        Boyle, W.J., Lacey, D.L., Calzone, F.J. and Chang, M.-S.
TITLE          Osteoprotegerin
JOURNAL        Patent: US 6369027-A 86 09-APR-2002;
              Location/Qualifiers
FEATURES
source       Location/Qualifiers
              1..14
              /organism="unknown"
              /mol_type="unassigned DNA"
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1408 TGTTAATGATGACC 1421
Db 14 TGTTAATGATGATC 1
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RESULT 146
AR374296/c
LOCUS AR374296 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 27 from patent US 6605431.
ACCESSION AR374296
VERSION AR374296.1 GI:40077011
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 14)
AUTHORS Course,R.L., Estrem,S.T., Ross,W.E. and Gaal,T.
TITLE Promoter elements and methods of use
JOURNAL Patent: US 6605431-A 27 12-AUG-2003;
FEATURES
source
1..14
Location/Qualifiers
/organism="unknown"
/mol_type="genomic DNA"

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1352 AACAAAAATATTC 1365
Db 14 AAAAAAATTTTC 1

RESULT 147
AX076570/c
LOCUS AX076570 14 bp DNA linear PAT 06-FEB-2001
DEFINITION Sequence 86 from Patent WO0103719.
ACCESSION AX076570
VERSION AX076570.1 GI:12711120
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS Boyle,W.J., Lacey,D.L., Calzone,F.J., Chang,M.S. and Senaldi,G.
TITLE Combination therapy for conditions leading to bone loss
JOURNAL Patent: WO 0103719-A 86 18-JAN-2001;
Amgen Inc. (US)
FEATURES
source
1..14
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/notes="Part of oligonucleotide duplex used in vector
formation."

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGACC 1421
Db 14 TGTAAAGAGGATC 1

RESULT 148
BD066102
LOCUS BD066102 14 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066102
VERSION BD066102.1 GI:22611705
KEYWORDS JP 2001511000-A/737.
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE
1 (bases 1 to 14)
AUTHORS Schlengersiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method

JOURNAL Patent: JP 2001511000-A 737 07-AUG-2001;
BIOLOGISTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/737
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
Location/Qualifiers
source
1..14
Location/Qualifiers
/organism="Unknown"

FEATURES
source
1..14
Location/Qualifiers
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1402 TAAATTTGTAATG 1415
Db 1 TAAATTTGTAATG 14

RESULT 149
BD209438
LOCUS BD209438 14 bp RNA linear PAT 17-JUL-2003
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection.
ACCESSION BD209438
VERSION BD209438.1 GI:33019208
KEYWORDS JP 2002512791-A/3028.
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE
1 (bases 1 to 14)
AUTHORS Blatt,L., McSwiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.
TITLE Enzymatic nucleic acid treatment of diseases or conditions related
to hepatitis C virus infection
JOURNAL Patent: JP 2002512791-A 3028 08-MAY-2002;
RIBOZYME PHARMACEUTICALS INC.
OS Hepatitis virus (hepatitis C virus)
PN JP 2002512791-A/3028
PD 08-MAY-2002
PF 26-APR-1999 JP 2000545991
PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR
25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI
LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI
PAVCO, DENNIS MACEJAK
PI C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09,
PC A61K37/66,
PC C12N15/00,
CC Enzymatic nucleic acid treatment of diseases or conditions
related to
hepatitis C virus infection.
FH Key Location/Qualifiers
FT source
1..14
Location/Qualifiers
/organism="Hepatitis virus (hepatitis C FT
virus)"

FEATURES
source
1..14
Location/Qualifiers
/organism="unidentified"
/mol_type="genomic RNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 89;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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AR051085	AR051085	15 bp	DNA	linear	PAT 29-SEP-1999
LOCUS	Sequence	30	from patent	US 5830650.	
DEFINITION	AR051085				
ACCESSION	AR051085				

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VERSION AR051085.1 GI:5974449
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Crea, R.
TITLE Walk-through mutagenesis
JOURNAL Patent: US 5830650-A 30 03-NOV-1998;
FEATURES
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            /organism="unknown"
            /mol_type="unassigned DNA"

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Best Local Similarity 8.3%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGA 1449
Db 1 GACTTCTACATGGA 14

RESULT 154
LOCUS AR056184
DEFINITION Sequence 388 from patent US 5837542.
ACCESSION AR056184
VERSION AR056184.1 GI:5981761
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 388 17-NOV-1998;
FEATURES
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            /mol_type="unassigned DNA"

Query Match
Best Local Similarity 8.3%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14

RESULT 155
LOCUS AR056495
DEFINITION Sequence 699 from patent US 5837542.
ACCESSION AR056495
VERSION AR056495.1 GI:5982072
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 699 17-NOV-1998;
FEATURES
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            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match
Best Local Similarity 8.3%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14

RESULT 156
LOCUS AR056495
DEFINITION Sequence 699 from patent US 5837542.
ACCESSION AR056495
VERSION AR056495.1 GI:5982072
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 699 17-NOV-1998;
FEATURES
    source
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            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match
Best Local Similarity 8.3%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14

RESULT 157
LOCUS AR114253
DEFINITION Sequence 699 from patent US 6132967.
ACCESSION AR114253
VERSION AR114253.1 GI:14094575
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 699 17-OCT-2000;
FEATURES
    source
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            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match
Best Local Similarity 8.3%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14

RESULT 158
LOCUS E00981/c
DEFINITION N-Terminal DNA sequence coding for human IL-2 analogue, 1-5.
ACCESSION E00981

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Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14

RESULT 156
LOCUS AR113942
DEFINITION Sequence 388 from patent US 6132967.
ACCESSION AR113942
VERSION AR113942.1 GI:14094264
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 388 17-OCT-2000;
FEATURES
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Query Match
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14

RESULT 157
LOCUS AR114253
DEFINITION Sequence 699 from patent US 6132967.
ACCESSION AR114253
VERSION AR114253.1 GI:14094575
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 699 17-OCT-2000;
FEATURES
    source
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            /organism="unknown"
            /mol_type="unassigned DNA"

Query Match
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTTCTATGC 1434
Db 1 CAGTGGTTCTCTGC 14

RESULT 158
LOCUS E00981/c
DEFINITION N-Terminal DNA sequence coding for human IL-2 analogue, 1-5.
ACCESSION E00981

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VERSION E00981.1 GI:2169242
KEYWORDS JP 1986225199-A/4.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Miyaji, H. and Itou, S.
TITLE NOVEL HUMAN INTERLEUKIN 2 POLYPEPTIDE DERIVATIVE
JOURNAL Patent: JP 1986225199-A 4 06-OCT-1986;
COMMENT KYOWA HAKKO KOGYO CO LTD
OS Human (Homo sapiens)
PN JP 1986225199-A/4
PD 06-OCT-1986
PF 29-MAR-1985 JP 1985065599
PI MIYAJI HIROMASA, ITOU SEIICHI
PC C07K13/00, C12N1/00, C12N15/00, C12P21/02, (C12N1/00, C12R1/19), PC
(C12P21/02,
PC C12R1/19);
CC strandedness: Double;
CC topology: linear;
CC hypothetical: No;
CC anti-sense: No;
CC *source: tissue type=Fonsil;
CC *source: clone=plasmid PHIGS-3;
FH Key Location/Qualifiers
FT mat_peptide 1..<15 /product='human IL-2 analogue, 1-5' FT
FT /partial
FT allele replace(3^4,'GCACCTACTTCAAGT') FT
FEATURES
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/organism='unidentified'
/mol_type='genomic DNA'
/db_xref='taxon:32644'

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1427 TTCTATGCAGACAT 1440
Db 14 TTCTTTGTAGACAT 1

RESULT 159
LOCUS I39066 15 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 104 from patent US 5616488.
ACCESSION I39066
VERSION I39066.1 GI:2083546
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan, S., Draper, K.G., McSwiggen, J. and Stinchcomb, D.T.
TITLE IL-5 targeted ribozymes
JOURNAL Patent: US 5616488-A 104 01-APR-1997;
FEATURES
source
1..15
/organism='unknown'
/mol_type='unassigned DNA'

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGCA 1370
Db 2 AAATATTCACGCA 15

RESULT 160
LOCUS I39068 15 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 106 from patent US 5616488.
ACCESSION I39068
VERSION I39068.1 GI:2083548
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan, S., Draper, K.G., McSwiggen, J. and Stinchcomb, D.T.
TITLE IL-5 targeted ribozymes
JOURNAL Patent: US 5616488-A 106 01-APR-1997;
FEATURES
source
1..15
/organism='unknown'
/mol_type='unassigned DNA'

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1358 AATATTCACGCA 1371
Db 1 AATATTCACGCA 14

RESULT 161
LOCUS I39385/c 15 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 423 from patent US 5616488.
ACCESSION I39385
VERSION I39385.1 GI:2083865
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan, S., Draper, K.G., McSwiggen, J. and Stinchcomb, D.T.
TITLE IL-5 targeted ribozymes
JOURNAL Patent: US 5616488-A 423 01-APR-1997;
FEATURES
source
1..15
/organism='unknown'
/mol_type='unassigned DNA'

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1437 ACATATACATGAA 1450
Db 15 AAATATAATGAA 2

RESULT 162
LOCUS AR180589 15 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 657 from patent US 6333152.
ACCESSION AR180589
VERSION AR180589.1 GI:20222622
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein, B., Kinzler, K.W., Zhang, L. and Zhou, W.
TITLE Gene expression profiles in normal and cancer cells
JOURNAL Patent: US 6333152-A 657 25-DEC-2001;
FEATURES
source
1..15

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REFERENCE
AUTHORS

1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
Method and reagent for inhibiting the expression of disease related
genes

TITLE

JOURNAL

Patent: EP 1260586-A 382 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)

FEATURES
source
1..15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1421 CAGTCGTTCTATGC 1434
||||| ||||| |||||
Db 1 CAGTGGTTCTCTGC 14

RESULT 168
AX633499
LOCUS
DEFINITION Sequence 638 from Patent EP1260586.
ACCESSION AX633499
VERSION AX633499.1 GI:28469113
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
unclassified.

REFERENCE
AUTHORS

1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
Method and reagent for inhibiting the expression of disease related
genes

TITLE

JOURNAL

Patent: EP 1260586-A 638 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)

FEATURES
source
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/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1421 CAGTCGTTCTATGC 1434
||||| ||||| |||||
Db 1 CAGTGGTTCTCTGC 14

RESULT 169
AX63360
LOCUS
DEFINITION Sequence 2499 from Patent EP1260586.
ACCESSION AX63360
VERSION AX63360.1 GI:28470974
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
unclassified.

REFERENCE
AUTHORS

1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.

Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
Method and reagent for inhibiting the expression of disease related
genes

TITLE

JOURNAL

Patent: EP 1260586-A 2499 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)

FEATURES
Location/Qualifiers
source
1..15
/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1357 AATATTTCACGCA 1370
||||| ||||| |||||
Db 2 AATATTTCAGGCA 15

RESULT 170
AX635364
LOCUS
DEFINITION Sequence 2503 from Patent EP1260586.
ACCESSION AX635364
VERSION AX635364.1 GI:28470978
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
unclassified.

REFERENCE
AUTHORS

1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
Method and reagent for inhibiting the expression of disease related
genes

TITLE

JOURNAL

Patent: EP 1260586-A 2503 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)

FEATURES
Location/Qualifiers
source
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/organism="unidentified"
/mol_type="unassigned RNA"
/db_xref="taxon:32644"

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1358 AATATTTCACGCA 1371
||||| ||||| |||||
Db 1 AATATTTCAGGCA 14

RESULT 171
AX635654/c
LOCUS
DEFINITION Sequence 2793 from Patent EP1260586.
ACCESSION AX635654
VERSION AX635654.1 GI:28471268
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
unclassified.

REFERENCE
AUTHORS

1 Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.

FEATURES	source
Query Match	8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity	85.7%; Pred. No. 94;
Matches	12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY	1357 AAATATTCACGCA 1370
DB	2 ACAGATTCACGCA 15
RESULT 174	
BD208458/c	
LOCUS	15 bp RNA linear PAT 17-JUL-2003
DEFINITION	Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection.
ACCESSION	BD208458
VERSION	BD208458.1 GI:33018228
KEYWORDS	JP 2002512791-A/2048.
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 (bases 1 to 15)
AUTHORS	Blatt,L., McSwiggen,J.A., Roberts,E., Pavco,P.A. and Macejak,D.
TITLE	Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection
JOURNAL	Patent: JP 2002512791-A 2048 08-MAY-2002;
COMMENT	RIBOZYME PHARMACEUTICALS INC OS Hepatitis virus (hepatitis C virus) PN JP 2002512791-A/2048 PD 08-MAY-2002 PF 26-APR-1999 JP 2000545931 PR 27-APR-1998 US 60/083217,18-SEP-1998 US 60/100842 PR 25-FEB-1999 US 09/257608,23-MAR-1999 US 09/274553 PI LAWRENCE BLATT,JAMES A MCSWIGGEN,ELISABETH ROBERTS,PAMELA A PI PAVCO. PI DENNIS MACEJAK PC C12N9/00,A61K31/7105,A61K38/21,A61K48/00,A61P31/12,C12N15/09, PC A61K37/66, PC C12N15/00 CC Enzymatic nucleic acid treatment of diseases or conditions related to hepatitis C virus infection.
CC	hepatitis C virus infection.
FH	Key Location/Qualifiers
FT	1. .15
FT	/organism='Hepatitis virus (hepatitis C FT virus)',
FEATURES	Location/Qualifiers
source	1. .15
	/organism='unidentified'
	/mol_type='genomic RNA'
	/db_xref='taxon:32644'
Query Match	8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 94;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGAAGAAAA 1359
Db 14 CAGGAGAGAAAA 1

RESULT 175
AX294122/c 20 bp DNA linear PAT 21-NOV-2001
LOCUS
DEFINITION Sequence 5884 from Patent WO0179548.

AX294122
ACCESSION
VERSION AX294122.1 GI:17055805

KEYWORDS
SOURCE
ORGANISM
synthetic construct
artificial sequences.

REFERENCE 1
AUTHORS Barany, F., Zivvi, M., Gerry, N.P., Favis, R. and Kliman, R.
TITLE Method of designing addressable array for detection of nucleic acid
sequence differences using ligase detection reaction
JOURNAL Patent: WO 0179548-A 5884 25-OCT-2001;
CORNELL RESEARCH FOUNDATION, INC. (US)

FEATURES
source
1..20
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Hypothetical Probe Sequence"

Query Match 8.3%; Score 10.8; DB 1; Length 20;
Best Local Similarity 85.7%; Pred. No. 1.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1374 CGAGGATCGCTT 1387
Db 20 CGATCGATCGTGT 7

RESULT 176
AX512687 15 bp DNA linear PAT 03-OCT-2002
LOCUS
DEFINITION Sequence 14 from Patent WO2063044.

AX512687
ACCESSION
VERSION AX512687.1 GI:23503905

KEYWORDS
SOURCE
ORGANISM
Homo sapiens (human)

REFERENCE 1
AUTHORS Anastasio, A.E., Chew, A., Denton, R.R., Nandabalan, K., Stephens, J.C.
and Tirrell, C.
TITLE Haplotypes of the il15 gene
JOURNAL Patent: WO 02063044-A 14 15-AUG-2002;
Genaisance Pharmaceuticals, Inc. (US)

FEATURES
source
1..15
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 8.2%; Score 10.6; DB 1; Length 15;
Best Local Similarity 90.9%; Pred. No. 1e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATA 1361
Db 5 GAAGAAAAATA 15

RESULT 177

A04329
LOCUS
DEFINITION Oligonucleotide.
ACCESSION A04329
VERSION A04329.1 GI:344874
KEYWORDS
SOURCE
ORGANISM
synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
source
Patent: WO 8300346-A 5 03-FEB-1983;
Location/Qualifiers
1..12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGTGATCAAGC 1466
Db 1 GGTGTGATCAACC 12

RESULT 178
A04329/c 12 bp DNA linear PAT 15-APR-1993
LOCUS
DEFINITION Oligonucleotide.
ACCESSION A04329
VERSION A04329.1 GI:344874
KEYWORDS
SOURCE
ORGANISM
synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
source
Patent: WO 8300346-A 5 03-FEB-1983;
Location/Qualifiers
1..12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGTGATCAAGC 1466
Db 12 GGTGTGATCAACC 1

RESULT 179
A04330 12 bp DNA linear PAT 15-APR-1993
LOCUS
DEFINITION Oligonucleotide, reverse complement.
ACCESSION A04330
VERSION A04330.1 GI:344875
KEYWORDS
SOURCE
ORGANISM
synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
source
Patent: WO 8300346-A 6 03-FEB-1983;
Location/Qualifiers
1..12
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"

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Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
  |||||
  1 GGTGATCAACC 12

RESULT 180
A04330/c
LOCUS A04330 12 bp DNA linear PAT 15-APR-1993
DEFINITION Oligonucleotide, reverse complement.
ACCESSION A04330
VERSION A04330.1 GI:344875
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
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    Patent: WO 8300346-A 6 03-FEB-1983;
    Location/Qualifiers
      1..12
      /organism="synthetic construct"
      /mol_type="unassigned DNA"
      /db_xref="taxon:32630"

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
  |||||
  1 GGTGATCAACC 12

Db 1 GGTGATCAACC 12

RESULT 181
A04336
LOCUS A04336 12 bp DNA linear PAT 15-APR-1993
DEFINITION Nucleotide sequence 13 from patent number WO8300346.
ACCESSION A04336
VERSION A04336.1 GI:344881
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
  source
    Patent: WO 8300346-A 13 03-FEB-1983;
    Location/Qualifiers
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      /organism="synthetic construct"
      /mol_type="unassigned DNA"
      /db_xref="taxon:32630"

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
  |||||
  1 GGTGATCAACC 12

Db 1 GGTGATCAACC 12

RESULT 182
A04490
LOCUS A04490 12 bp DNA linear PAT 15-JUL-1993
DEFINITION Oligonucleotide B.
ACCESSION A04490
VERSION A04490.1 GI:410987
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
  source
    Patent: WO 8400380-A 5 02-FEB-1984;
    Location/Qualifiers
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      /organism="synthetic construct"
      /mol_type="unassigned DNA"
      /db_xref="taxon:32630"

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
  |||||
  1 GGTGATCAACC 12

Db 1 GGTGATCAACC 12

RESULT 183
A04490/c
LOCUS A04490 12 bp DNA linear PAT 15-JUL-1993
DEFINITION Oligonucleotide B.
ACCESSION A04490
VERSION A04490.1 GI:410987
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
  source
    Patent: WO 8400380-A 4 02-FEB-1984;
    Location/Qualifiers
      1..12
      /organism="synthetic construct"
      /mol_type="unassigned DNA"
      /db_xref="taxon:32630"

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
  |||||
  1 GGTGATCAACC 12

Db 1 GGTGATCAACC 12

RESULT 184
A04491
LOCUS A04491 12 bp DNA linear PAT 15-JUL-1993
DEFINITION Oligonucleotide B, reverse complement.
ACCESSION A04491
VERSION A04491.1 GI:410988
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL
FEATURES
  source
    Patent: WO 8400380-A 5 02-FEB-1984;
    Location/Qualifiers
      1..12
      /organism="synthetic construct"
      /mol_type="unassigned DNA"
      /db_xref="taxon:32630"

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 95;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
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  1 GGTGATCAACC 12

Db 1 GGTGATCAACC 12

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Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
 |||||
 Db 1 GGTGATCAACC 12

RESULT 185
 A04491/c
 LOCUS A04491 12 bp DNA PAT 15-JUL-1993
 DEFINITION Oligonucleotide B, reverse complement.
 ACCESSION A04491
 VERSION A04491.1 GI:410988
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 12)
 AUTHORS
 TITLE Human calcitonin precursor polypeptide structural gene
 JOURNAL
 FEATURES
 source Location/Qualifiers
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 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 95;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
 |||||
 Db 12 GGTGATCAACC 1

RESULT 186
 A11947
 LOCUS A11947 12 bp DNA PAT 22-DEC-1993
 DEFINITION Synthetic oligonucleotide B from patent EP0070675.
 ACCESSION A11947
 VERSION A11947.1 GI:489425
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 12)
 AUTHORS Craig, R.K. and MacIntyre, J.
 TITLE Human calcitonin precursor polypeptide structural gene
 JOURNAL
 FEATURES
 source Location/Qualifiers
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 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 95;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
 |||||
 Db 12 GGTGATCAACC 1

RESULT 187
 A11947/c
 LOCUS A11947 12 bp DNA PAT 22-DEC-1993
 DEFINITION Synthetic oligonucleotide B from patent EP0070675.
 ACCESSION A11947
 VERSION A11947.1 GI:489425
 KEYWORDS

SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 12)
 AUTHORS Craig, R.K. and MacIntyre, J.
 TITLE Human calcitonin precursor polypeptide structural gene
 JOURNAL
 FEATURES
 source Location/Qualifiers
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 /organism="synthetic construct"
 /mol_type="unassigned DNA"
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Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 95;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
 |||||
 Db 12 GGTGATCAACC 1

RESULT 188
 A11948
 LOCUS A11948 12 bp DNA PAT 22-DEC-1993
 DEFINITION Synthetic oligonucleotide B from patent EP0070675.
 ACCESSION A11948
 VERSION A11948.1 GI:489426
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 12)
 AUTHORS Craig, R.K. and MacIntyre, J.
 TITLE Human calcitonin precursor polypeptide structural gene
 JOURNAL
 FEATURES
 source Location/Qualifiers
 1..12
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
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Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 95;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTGATCAAGC 1466
 |||||
 Db 1 GGTGATCAACC 12

RESULT 189
 A11948/c
 LOCUS A11948 12 bp DNA PAT 22-DEC-1993
 DEFINITION Synthetic oligonucleotide B from patent EP0070675.
 ACCESSION A11948
 VERSION A11948.1 GI:489426
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 12)
 AUTHORS Craig, R.K. and MacIntyre, J.
 TITLE Human calcitonin precursor polypeptide structural gene
 JOURNAL
 FEATURES
 source Location/Qualifiers
 1..12
 /organism="synthetic construct"
 /mol_type="unassigned DNA"
 /db_xref="taxon:32630"


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Query Match          8.0%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
Db 13 AAAATTTTAAAT 2

RESULT 194
AR030090
LOCUS AR030090 10 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 279 from patent US 5861244.
ACCESSION AR030090
VERSION AR030090.1 GI:59433304
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 10)
AUTHORS Wang, C.-G. and Hepburn, A.G.
TITLE Genetic sequence assay using DNA triple strand formation
JOURNAL Patent: US 5861244-A 279 19-JAN-1999;
FEATURES
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        Location/Qualifiers
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                /mol_type="unassigned DNA"

Query Match          7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1348 GGGGAAGAAA 1357
Db 1 GGGGAAGAAA 10

RESULT 195
BD239117/c
LOCUS BD239117 10 bp DNA linear PAT 17-JUL-2003
DEFINITION Preparation and use of superior vaccines.
ACCESSION BD239117
VERSION BD239117.1 GI:33048887
KEYWORDS JP 2002534056-A/535.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 10)
AUTHORS Roberts, B.L. and Shankara, S.
TITLE Preparation and use of superior vaccines
JOURNAL Patent: JP 2002534056-A 535 15-OCT-2002;
GENZYME CORP
COMMENT OS Homo sapiens (human)
        PN JP 2002534056-A/535
        PD 15-OCT-2002
        PF 18-JUN-1999 JP 2000554749
        PR 19-JUN-1998 US 60/090039,19-JUN-1998 US 60/090040 PR
        19-JUN-1998 US 60/090041,19-JUN-1998 US 60/089853 PR
        19-JUN-1998 US 60/089997,19-JUN-1998 US 60/090079 PR
        19-JUN-1998 US 60/090035,19-JUN-1998 US 60/089993 PR
        19-JUN-1998 US 60/089992,19-JUN-1998 US 60/090072 PR
        19-JUN-1998 US 60/089878,19-JUN-1998 US 60/089991 PR
        19-JUN-1998 US 60/090000,19-JUN-1998 US 60/090048 PR
        19-JUN-1998 US 60/089999,19-JUN-1998 US 60/090043 PR
        19-JUN-1998 US 60/090042,19-JUN-1998 US 60/090036 PR
        19-JUN-1998 US 60/090044,19-JUN-1998 US 60/089844 PR
        19-JUN-1998 US 60/090080,19-JUN-1998 US 60/089833 PR
        19-JUN-1998 US 60/089994,19-JUN-1998 US 60/090077 PR
        19-JUN-1998 US 60/090078,19-JUN-1998 US 60/090047 PR
        19-JUN-1998 US 60/090076,19-JUN-1998 US 60/090045 PR
        08-DEC-1998 US 60/111715
        PI BRUCE L ROBERTS, SRINIVAS SHANKARA

PC C12N15/09, C12N15/00, A61K39/00, A61P35/00, A61P37/04, C12N1/15, PC
C12N1/19,
PC C12N1/21, C12N5/10, G01N33/15, G01N33/50, G01N33/53, G01N33/566, PC
G01N37/00,
PC C12N15/00, C12N5/00, C12N15/00
CC Preparation and use of superior vaccines
FH Key Location/Qualifiers
FT source 1..10
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FEATURES
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        Location/Qualifiers
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                /mol_type="genomic DNA"

Query Match          7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1395 AAGGAGGTAA 1404
Db 10 AAGGAGGTAA 1

RESULT 196
BD239374/c
LOCUS BD239374 10 bp DNA linear PAT 17-JUL-2003
DEFINITION Preparation and use of superior vaccines.
ACCESSION BD239374
VERSION BD239374.1 GI:33049144
KEYWORDS JP 2002534056-A/792.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 10)
AUTHORS Roberts, B.L. and Shankara, S.
TITLE Preparation and use of superior vaccines
JOURNAL Patent: JP 2002534056-A 792 15-OCT-2002;
GENZYME CORP
COMMENT OS Homo sapiens (human)
        PN JP 2002534056-A/792
        PD 15-OCT-2002
        PF 18-JUN-1999 JP 2000554749
        PR 19-JUN-1998 US 60/090041,19-JUN-1998 US 60/089853 PR
        19-JUN-1998 US 60/089997,19-JUN-1998 US 60/090079 PR
        19-JUN-1998 US 60/090035,19-JUN-1998 US 60/089993 PR
        19-JUN-1998 US 60/089992,19-JUN-1998 US 60/090072 PR
        19-JUN-1998 US 60/089878,19-JUN-1998 US 60/089991 PR
        19-JUN-1998 US 60/090000,19-JUN-1998 US 60/090048 PR
        19-JUN-1998 US 60/089999,19-JUN-1998 US 60/090043 PR
        19-JUN-1998 US 60/090042,19-JUN-1998 US 60/090036 PR
        19-JUN-1998 US 60/090044,19-JUN-1998 US 60/089844 PR
        19-JUN-1998 US 60/090080,19-JUN-1998 US 60/089833 PR
        19-JUN-1998 US 60/089994,19-JUN-1998 US 60/090077 PR
        19-JUN-1998 US 60/090078,19-JUN-1998 US 60/090047 PR
        19-JUN-1998 US 60/090076,19-JUN-1998 US 60/090045 PR
        08-DEC-1998 US 60/111715
        PI BRUCE L ROBERTS, SRINIVAS SHANKARA

PC C12N15/09, C12N15/00, A61K39/00, A61P35/00, A61P37/04, C12N1/15, PC
C12N1/19,
PC C12N1/21, C12N5/10, G01N33/15, G01N33/50, G01N33/53, G01N33/566, PC
G01N37/00,
PC C12N15/00, C12N5/00, C12N15/00
CC Preparation and use of superior vaccines
FH Key Location/Qualifiers
FT source 1..10
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FEATURES
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                /mol_type="genomic DNA"

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/db_xref="taxon:9606"

Query Match      7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
DB 10 CTGATCAAG 1

RESULT 197
BD240027/c
LOCUS      10 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION Preparation and use of superior vaccines.
ACCESSION  BD240027
VERSION     BD240027.1 GI:33049797
KEYWORDS   JP 2002534056-A/1445.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE   1 (bases 1 to 10)
AUTHORS    Roberts,B.L. and Shankara,S.
TITLE      Preparation and use of superior vaccines
JOURNAL    Patent: JP 2002534056-A 1445 15-OCT-2002;
GENZYME CORP
COMMENT    OS Homo sapiens (human)
PN JP 2002534056-A/1445
PD 15-OCT-2002
PF 18-JUN-1999 JP 2000554749
PR 19-JUN-1998 US 60/090039,19-JUN-1998 US 60/090040 PR
19-JUN-1998 US 60/090041,19-JUN-1998 US 60/089853 PR
19-JUN-1998 US 60/089977,19-JUN-1998 US 60/090079 PR
19-JUN-1998 US 60/090035,19-JUN-1998 US 60/089993 PR
19-JUN-1998 US 60/089992,19-JUN-1998 US 60/090072 PR
19-JUN-1998 US 60/089878,19-JUN-1998 US 60/089991 PR
19-JUN-1998 US 60/090000,19-JUN-1998 US 60/090048 PR
19-JUN-1998 US 60/089999,19-JUN-1998 US 60/090043 PR
19-JUN-1998 US 60/090042,19-JUN-1998 US 60/090036 PR
19-JUN-1998 US 60/090044,19-JUN-1998 US 60/089844 PR
19-JUN-1998 US 60/090080,19-JUN-1998 US 60/089833 PR
19-JUN-1998 US 60/089994,19-JUN-1998 US 60/090077 PR
19-JUN-1998 US 60/090078,19-JUN-1998 US 60/090047 PR
19-JUN-1998 US 60/090076,19-JUN-1998 US 60/090045 PR
08-DEC-1998 US 60/111715
PI BRUCE L ROBERTS,SRINIVAS SHANKARA
PC C12N15/09,C12N15/09,A61K39/00,A61P35/00,A61P37/04,C12N1/15,PC
C12N1/19
PC C12N1/21,C12N5/10,G01N33/15,G01N33/50,G01N33/53,G01N33/566,PC
G01N37/00,
PC C12N15/00,C12N5/00,C12N15/00
CC Preparation and use of superior vaccines
FH Key Location/Qualifiers
FT source 1..10
FT /organism='Homo sapiens (human)'.
FEATURES
source
1..10
Location/Qualifiers
/organism='Homo sapiens'
/mol_type='genomic DNA'
/db_xref="taxon:9606"

Query Match      7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1428 TCTATGCACA 1437
DB 10 TCTATGCACA 1

RESULT 198
AR303388
LOCUS      10 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 25 from patent US 5861244.
ACCESSION  AR029836
VERSION     AR029836.1 GI:5943050
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE   1 (bases 1 to 11)
AUTHORS    Wang,C.-G. and Hepburn,A.G.
TITLE      Genetic sequence assay using DNA triple strand formation
JOURNAL    Patent: US 5861244-A 25 19-JAN-1999;
FEATURES
source
1..11
Location/Qualifiers

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LOCUS      AR303388      10 bp      DNA      linear      PAT 12-JUN-2003
DEFINITION Sequence 113 from patent US 6544736.
ACCESSION  AR303388
VERSION     AR303388.1 GI:31692164
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE   1 (bases 1 to 10)
AUTHORS    Shimamoto,A., Furuichi,Y., Shibata,Y., Funaki,H., Ohara,E. and
Watahiki,M.
TITLE      Method for synthesizing cDNA from mRNA sample
JOURNAL    Patent: US 6544736-A 113 08-APR-2003;
FEATURES
source
1..10
Location/Qualifiers
/organism='unknown'
/mol_type='genomic DNA'

Query Match      7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1414 TGATGACCAG 1423
DB 1 TGATGACCAG 10

RESULT 199
AX152471/c
LOCUS      AX152471      10 bp      DNA      linear      PAT 22-JUN-2001
DEFINITION Sequence 386 from Patent WO0138577.
ACCESSION  AX152471
VERSION     AX152471.1 GI:14534122
KEYWORDS   Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE   1
AUTHORS    Velculescu,V.E., Vogelstein,B. and Kinzler,K.W.
TITLE      Human transcriptomes
JOURNAL    Patent: WO 0138577-A 386 31-MAY-2001;
The Johns Hopkins University (US)
FEATURES
source
1..10
Location/Qualifiers
/organism='Homo sapiens'
/mol_type='unassigned DNA'
/db_xref="taxon:9606"

Query Match      7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
DB 10 AAGGAGGTAA 1

RESULT 200
AR029836/c
LOCUS      AR029836      11 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 25 from patent US 5861244.
ACCESSION  AR029836
VERSION     AR029836.1 GI:5943050
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE   1 (bases 1 to 11)
AUTHORS    Wang,C.-G. and Hepburn,A.G.
TITLE      Genetic sequence assay using DNA triple strand formation
JOURNAL    Patent: US 5861244-A 25 19-JAN-1999;
FEATURES
source
1..11
Location/Qualifiers

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source      1. .11
            /organism="unknown"
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Query Match      7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1347 AGGGGAAGAA 1356
    |||||
Db 11 AGGGGAAGAA 2

RESULT 201
AR029943/c      11 bp      DNA      linear      PAT 29-SEP-1999
LOCUS
DEFINITION      Sequence 132 from patent US 5861244.
ACCESSION      AR029943
VERSION      AR029943.1 GI:59433157
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.
REFERENCE      1 (bases 1 to 11)
AUTHORS      Wang, C.-G. and Hepburn, A.G.
TITLE      Genetic sequence assay using DNA triple strand formation
JOURNAL      Patent: US 5861244-A 132 19-JAN-1999;
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    Location/Qualifiers
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Query Match      7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1347 AGGGGAAGAA 1356
    |||||
Db 11 AGGGGAAGAA 2

RESULT 202
I03710
LOCUS
DEFINITION      Sequence 1 from Patent EP 0084796.
ACCESSION      I03710
VERSION      I03710.1 GI:591969
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.
REFERENCE      1 (bases 1 to 11)
AUTHORS      Erlich, H.A.
TITLE      HLA typing method and cDNA probes used therein
JOURNAL      Patent: EP 0084796-A2 1 03-AUG-1983;
FEATURES
    source
    Location/Qualifiers
        1. .11
        /organism="unknown"
        /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1399 AGGTAAATT 1408
    |||||
Db 1 AGGTAAATT 10

RESULT 203
AX472076/c
LOCUS
DEFINITION      Sequence 67 from Patent WO02053775.

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ACCESSION      AX472076
VERSION      AX472076.1 GI:22207117
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS      Hustert, E., Haberl, M. and Wojnowski, L.
TITLE      Identification of the genetic determinants of the polymorphic
cy3a5 expression
JOURNAL      Patent: WO 02053775-A 67 11-JUL-2002;
EPIDAUROS BIOTECHNOLOGIE AG (DE)
FEATURES
    source
    Location/Qualifiers
        1. .11
        /organism="Homo sapiens"
        /mol_type="unassigned DNA"
        /db_xref="taxon:9606"

Query Match      7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1440 TATACATGGA 1449
    |||||
Db 11 TATACATGGA 2

RESULT 204
AX623194
LOCUS
DEFINITION      Sequence 235 from Patent WO02053774.
ACCESSION      AX623194
VERSION      AX623194.1 GI:28451135
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS      Petersohn, D., Conrad, M. and Hofmann, K.
TITLE      Method for determining homeostasis of the skin
JOURNAL      Patent: WO 02053774-A 235 11-JUL-2002;
Henkel Kommanditgesellschaft auf Aktien (DE)
FEATURES
    source
    Location/Qualifiers
        1. .11
        /organism="Homo sapiens"
        /mol_type="unassigned DNA"
        /db_xref="taxon:9606"

Query Match      7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTA 1412
    |||||
Db 1 AAAATTGTTA 10

RESULT 205
AX623355/c
LOCUS
DEFINITION      Sequence 396 from Patent WO02053774.
ACCESSION      AX623355
VERSION      AX623355.1 GI:28451296
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS      Petersohn, D., Conrad, M. and Hofmann, K.
TITLE      Method for determining homeostasis of the skin

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JOURNAL Patent: WO 02053774-A 396 11-JUL-2002;
FEATURES Henkel Kommanditgesellschaft auf Aktien (DE)
source
1. .11
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATCA 1416
Db 10 TTGTTAATCA 1

RESULT 206
AX625781 AX625781 11 bp DNA linear PAT 21-FEB-2003
LOCUS Sequence 2822 from Patent WO02053774.
DEFINITION AX625781
ACCESSION AX625781
VERSION AX625781.1 GI:28453722
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Petersohn,D., Conradt,M. and Hofmann,K.
AUTHORS Method for determining homeostasis of the skin
TITLE Patent: WO 02053774-A 2822 11-JUL-2002;
JOURNAL Henkel Kommanditgesellschaft auf Aktien (DE)
FEATURES
source
1. .11
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCC 1365
Db 2 AAAATATTCC 11

RESULT 207
AX629508/c AX629508 11 bp DNA linear PAT 21-FEB-2003
LOCUS Sequence 6549 from Patent WO02053774.
DEFINITION AX629508
ACCESSION AX629508
VERSION AX629508.1 GI:28457546
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Petersohn,D., Conradt,M. and Hofmann,K.
AUTHORS Method for determining homeostasis of the skin
TITLE Patent: WO 02053774-A 6549 11-JUL-2002;
JOURNAL Henkel Kommanditgesellschaft auf Aktien (DE)
FEATURES
source
1. .11
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
Db 1 AAAATTGTTA 10

RESULT 210
AX630776/c AX630776 11 bp DNA linear PAT 21-FEB-2003
LOCUS Sequence 7817 from Patent WO02053774.
DEFINITION AX630776
ACCESSION AX630776
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JOURNAL Patent: WO 02053774-A 396 11-JUL-2002;
FEATURES Henkel Kommanditgesellschaft auf Aktien (DE)
source
1. .11
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
Db 10 AAGGAGGTAA 1

RESULT 208
AX629772/c AX629772 11 bp DNA linear PAT 21-FEB-2003
LOCUS Sequence 6813 from Patent WO02053774.
DEFINITION AX629772
ACCESSION AX629772
VERSION AX629772.1 GI:28457810
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Petersohn,D., Conradt,M. and Hofmann,K.
AUTHORS Method for determining homeostasis of the skin
TITLE Patent: WO 02053774-A 6813 11-JUL-2002;
JOURNAL Henkel Kommanditgesellschaft auf Aktien (DE)
FEATURES
source
1. .11
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
Db 10 CTGATCAAG 1

RESULT 209
AX630615 AX630615 11 bp DNA linear PAT 21-FEB-2003
LOCUS Sequence 7656 from Patent WO02053774.
DEFINITION AX630615
ACCESSION AX630615
VERSION AX630615.1 GI:28458653
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Petersohn,D., Conradt,M. and Hofmann,K.
AUTHORS Method for determining homeostasis of the skin
TITLE Patent: WO 02053774-A 7656 11-JUL-2002;
JOURNAL Henkel Kommanditgesellschaft auf Aktien (DE)
FEATURES
source
1. .11
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
Db 1 AAAATTGTTA 10

RESULT 210
AX630776/c AX630776 11 bp DNA linear PAT 21-FEB-2003
LOCUS Sequence 7817 from Patent WO02053774.
DEFINITION AX630776
ACCESSION AX630776
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VERSION      AX630776.1  GI:28458816
KEYWORDS
SOURCE       Homo sapiens (human)
ORGANISM     Homo sapiens
REFERENCE    1  (bases 1 to 12)
AUTHORS      Grinnell,B.W.
TITLE        A method of using eukaryotic expression vectors comprising the bk
JOURNAL      virus enhancer
FEATURES     Patent: EP 0245949-A2 2 19-NOV-1987;
              Location/Qualifiers
              1..12
              /organism="unknown"
              /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1407 TTGTTAATGA 1416
Db      10 TTGTTAATGA 1

RESULT 211
E59615/c
LOCUS       E59615      12 bp      DNA      linear      PAT 18-JUN-2001
DEFINITION Human protein C produced by recombination.
ACCESSION   E59615
VERSION     E59615.1  GI:13019418
KEYWORDS    JP 1999346789-A/3.
SOURCE      unidentified
ORGANISM    unidentified
REFERENCE    1  (bases 1 to 12)
AUTHORS      Pryan, W.G.
TITLE        Human protein C produced by recombination
JOURNAL      Patent: JP 1999346789-A 3 21-DEC-1999;
              ELI LILLY & CO
COMMENT      OS Unidentified
              PN JP 1999346789-A/3
              PD 21-DEC-1999
              PR 17-MAY-1999 JP 1999135687
              PR 09-APR-1986 US 849999
              PR PRYAN WILLIAM GURINNERU
              PC C12N15/09,C07K14/47,C12P21/02//(C12P21/02,C12R1:91),C12N15/00
              CC
              FH Key Location/Qualifiers
              FT source 1..12
              /organism='Unidentified'.
              /organism="unidentified"
              /mol_type="genomic DNA"
              /db_xref="taxon:32644"

FEATURES     source
              1..12
              /organism="unidentified"
              /mol_type="genomic DNA"
              /db_xref="taxon:32644"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAG 1397
Db      12 CTGATCAAG 3

RESULT 212
I05103/c
LOCUS       I05103      12 bp      DNA      linear      PAT 02-DEC-1994
DEFINITION Sequence 2 from Patent EP 0245949.
ACCESSION   I05103
VERSION     I05103.1  GI:591239
KEYWORDS
SOURCE      Unknown.
ORGANISM     Unclassified.
REFERENCE    1  (bases 1 to 12)
AUTHORS      Bang,N.U., Ehrlich,H.J., Grinnell,B.W. and Yan,S.-C.B.
TITLE        Vectors and compounds for expression of zymogen forms of human
JOURNAL      protein C
FEATURES     Patent: EP 0323149-A2 7 05-JUL-1989;
              Location/Qualifiers
              1..12
              /organism="unknown"
              /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAG 1397
Db      12 CTGATCAAG 3

RESULT 213
I05127/c
LOCUS       I05127      12 bp      DNA      linear      PAT 02-DEC-1994
DEFINITION Sequence 5 from Patent EP 0247843.
ACCESSION   I05127
VERSION     I05127.1  GI:591218
KEYWORDS
SOURCE      Unknown.
ORGANISM     Unclassified.
REFERENCE    1  (bases 1 to 12)
AUTHORS      Hoskins,J.A. and Long,G.L.
TITLE        Human protein S, A plasma protein regulator of hemostasis
JOURNAL      Patent: EP 0247843-A2 5 02-DEC-1987;
              Location/Qualifiers
              1..12
              /organism="unknown"
              /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAG 1397
Db      12 CTGATCAAG 3

RESULT 214
I06650/c
LOCUS       I06650      12 bp      DNA      linear      PAT 02-DEC-1994
DEFINITION Sequence 7 from Patent EP 0323149.
ACCESSION   I06650
VERSION     I06650.1  GI:590175
KEYWORDS
SOURCE      Unknown.
ORGANISM     Unclassified.
REFERENCE    1  (bases 1 to 12)
AUTHORS      Bang,N.U., Ehrlich,H.J., Grinnell,B.W. and Yan,S.-C.B.
TITLE        Vectors and compounds for expression of zymogen forms of human
JOURNAL      protein C
FEATURES     Patent: EP 0323149-A2 7 05-JUL-1989;
              Location/Qualifiers
              1..12
              /organism="unknown"
              /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAG 1397
Db      12 CTGATCAAG 3

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KEYWORDS
SOURCE       Unknown.
ORGANISM     Unclassified.
REFERENCE    1  (bases 1 to 12)
AUTHORS      Grinnell,B.W.
TITLE        A method of using eukaryotic expression vectors comprising the bk
JOURNAL      virus enhancer
FEATURES     Patent: EP 0245949-A2 2 19-NOV-1987;
              Location/Qualifiers
              1..12
              /organism="unknown"
              /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAG 1397
Db      12 CTGATCAAG 3

RESULT 213
I05127/c
LOCUS       I05127      12 bp      DNA      linear      PAT 02-DEC-1994
DEFINITION Sequence 5 from Patent EP 0247843.
ACCESSION   I05127
VERSION     I05127.1  GI:591218
KEYWORDS
SOURCE      Unknown.
ORGANISM     Unclassified.
REFERENCE    1  (bases 1 to 12)
AUTHORS      Hoskins,J.A. and Long,G.L.
TITLE        Human protein S, A plasma protein regulator of hemostasis
JOURNAL      Patent: EP 0247843-A2 5 02-DEC-1987;
              Location/Qualifiers
              1..12
              /organism="unknown"
              /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAG 1397
Db      12 CTGATCAAG 3

RESULT 214
I06650/c
LOCUS       I06650      12 bp      DNA      linear      PAT 02-DEC-1994
DEFINITION Sequence 7 from Patent EP 0323149.
ACCESSION   I06650
VERSION     I06650.1  GI:590175
KEYWORDS
SOURCE      Unknown.
ORGANISM     Unclassified.
REFERENCE    1  (bases 1 to 12)
AUTHORS      Bang,N.U., Ehrlich,H.J., Grinnell,B.W. and Yan,S.-C.B.
TITLE        Vectors and compounds for expression of zymogen forms of human
JOURNAL      protein C
FEATURES     Patent: EP 0323149-A2 7 05-JUL-1989;
              Location/Qualifiers
              1..12
              /organism="unknown"
              /mol_type="unassigned DNA"

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1388 CTGATCAAG 1397
Db      12 CTGATCAAG 3

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Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
Db 12 CTGATCAAG 3

RESULT 215
I07634/c
LOCUS 106784 12 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 10 from Patent EP 0326423.
ACCESSION I06784
VERSION I06784.1 GI:590103
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Bumol,T.F., Gadske,R.A., Hamilton,A.E., Sportsman,J.R. and Strnad,J.
TITLE Vectors, compounds and methods for expression of a hum adenocarcinoma antigen
JOURNAL Patent: EP 0326423-A2 10 02-AUG-1989;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
Db 12 CTGATCAAG 3

RESULT 216
I07402/c
LOCUS 107402 12 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 15 from Patent EP 0338767.
ACCESSION I07402
VERSION I07402.1 GI:589927
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Beavers,L.S., Bumol,T.F., Gadske,R.A. and Weigel,B.J.
TITLE Novel recombinant and chimeric antibodies directed against a human adenocarcinoma antigen
JOURNAL Patent: EP 0338767-A2 15 25-OCT-1989;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
Db 12 CTGATCAAG 3

RESULT 217
I07634/c
LOCUS 107634 12 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 3 from Patent EP 0363127.
ACCESSION I07634
VERSION I07634.1 GI:589743
KEYWORDS

SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Berg,D.T. and Grinnell,B.W.
TITLE Improvements in or relating to eukaryotic expression
JOURNAL Patent: EP 0363127-A2 3 11-APR-1990;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
Db 12 CTGATCAAG 3

RESULT 218
I71433/c
LOCUS 171433 12 bp DNA linear PAT 03-APR-1998
DEFINITION Sequence 3 from patent US 5681932.
ACCESSION I71433
VERSION I71433.1 GI:3007568
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 12)
AUTHORS Grinnell,B.W.
TITLE Method of using eukaryotic expression vectors comprising the BK virus
JOURNAL Patent: US 5681932-A 3 28-OCT-1997;
FEATURES Location/Qualifiers
source 1..12
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1388 CTGATCAAG 1397
Db 12 CTGATCAAG 3

RESULT 219
BD014692/c
LOCUS BD014692 12 bp DNA linear PAT 27-AUG-2002
DEFINITION Recombinant human protein C.
ACCESSION BD014692
VERSION BD014692.1 GI:22555475
KEYWORDS JP 2001145496-A/3.
SOURCE unidentified
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 12)
AUTHORS Grinnell,B.W.
TITLE Recombinant human protein C
JOURNAL Patent: JP 2001145496-A 3 29-MAY-2001;
COMMENT ELI LILLY & CO
OS Unidentified
PN JP 2001145496-A/3
PD 29-MAY-2001
PF 10-OCT-2000 JP 2000309380
PR 09-APR-1986 US 84999
PI PRYAN WILLIAM GRINNELL
PC C12N15/09,C07K14/47,C12N5/10,C12P21/02,C12N15/00,C12N5/00,PC (C12N5/10,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,PC

LOCUS	AX107057	14 bp	DNA	linear	PAT 30-APR-2001
DEFINITION	Sequence 21 from Patent WO0125434.				
ACCESSION	AX107057				
VERSION	AX107057.1	GI:13922568			
KEYWORDS	synthetic construct				
SOURCE	synthetic construct				
ORGANISM	artificial sequences.				
REFERENCE	1				
AUTHORS	Raitano,A.B., Afar,D.E., Jakobovits,A., Faris,M., Hubert,R.S., Mitchell,S.C. and Saffran,D.C.				
TITLE	G protein-coupled receptor up-regulated in prostate cancer and uses thereof				
JOURNAL	Patent: WO 0125434-A 21 12-APR-2001;				
Urogenesys, Inc. (US)					
FEATURES	Location/Qualifiers				
source	1..14				
	/organism="synthetic construct"				
	/mol_type="unassigned DNA"				
	/db_xref="taxon:32630"				
	/note="Primer"				
Query Match	7.7%; Score 10; DB 1; Length 14;				
Best Local Similarity	100.0%; Pred. No. 1.3e+02;				
Matches	10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	1457	TTGATCAAGC	1466		
Db	3	TTGATCAAGC	12		
RESULT 232					
LOCUS	AX127613	14 bp	DNA	linear	PAT 15-MAY-2001
DEFINITION	Sequence 28 from Patent WO0131343.				
ACCESSION	AX127613				
VERSION	AX127613.1	GI:14134282			
KEYWORDS	synthetic construct				
SOURCE	synthetic construct				
ORGANISM	artificial sequences.				
REFERENCE	1				
AUTHORS	Hubert,R.S., Raitano,A.B., Afar,D.E., Mitchell,S.C., Faris,M. and Jakobovits,A.				
TITLE	Diagnosis and therapy of cancer using sgp28-related molecules				
JOURNAL	Patent: WO 0131343-A 28 03-MAY-2001;				
Urogenesys, Inc. (US)					
FEATURES	Location/Qualifiers				
source	1..14				
	/organism="synthetic construct"				
	/mol_type="unassigned DNA"				
	/db_xref="taxon:32630"				
	/note="Primer"				
Query Match	7.7%; Score 10; DB 1; Length 14;				
Best Local Similarity	100.0%; Pred. No. 1.3e+02;				
Matches	10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	1457	TTGATCAAGC	1466		
Db	3	TTGATCAAGC	12		
RESULT 233					
LOCUS	AX155265	14 bp	DNA	linear	PAT 22-JUN-2001
DEFINITION	Sequence 23 from Patent WO0140276.				
ACCESSION	AX155265				
VERSION	AX155265.1	GI:14536727			
KEYWORDS	synthetic construct				
SOURCE	synthetic construct				
ORGANISM	artificial sequences.				
REFERENCE	1				
AUTHORS	Hubert,R.S., Raitano,A.B., Afar,D.E., Mitchell,S.C., Faris,M. and Jakobovits,A.				
TITLE	Diagnosis and therapy of cancer using sgp28-related molecules				
JOURNAL	Patent: WO 0131343-A 28 03-MAY-2001;				
Urogenesys, Inc. (US)					
FEATURES	Location/Qualifiers				
source	1..14				
	/organism="synthetic construct"				
	/mol_type="unassigned DNA"				
	/db_xref="taxon:32630"				
	/note="Primer"				
Query Match	7.7%; Score 10; DB 1; Length 14;				
Best Local Similarity	100.0%; Pred. No. 1.3e+02;				
Matches	10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	1457	TTGATCAAGC	1466		
Db	3	TTGATCAAGC	12		
RESULT 231					
LOCUS	AX107057	14 bp	DNA	linear	PAT 30-APR-2001
DEFINITION	Sequence 21 from Patent WO0125434.				
ACCESSION	AX107057				
VERSION	AX107057.1	GI:13922568			
KEYWORDS	synthetic construct				
SOURCE	synthetic construct				
ORGANISM	artificial sequences.				
REFERENCE	1				
AUTHORS	Raitano,A.B., Afar,D.E., Jakobovits,A., Faris,M., Hubert,R.S., Mitchell,S.C. and Saffran,D.C.				
TITLE	G protein-coupled receptor up-regulated in prostate cancer and uses thereof				
JOURNAL	Patent: WO 0125434-A 21 12-APR-2001;				
Urogenesys, Inc. (US)					
FEATURES	Location/Qualifiers				
source	1..14				
	/organism="synthetic construct"				
	/mol_type="unassigned DNA"				
	/db_xref="taxon:32630"				
	/note="Primer"				
Query Match	7.7%; Score 10; DB 1; Length 14;				
Best Local Similarity	100.0%; Pred. No. 1.3e+02;				
Matches	10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	1457	TTGATCAAGC	1466		
Db	3	TTGATCAAGC	12		
RESULT 230					
LOCUS	AX083184	14 bp	DNA	linear	PAT 28-FEB-2001
DEFINITION	Sequence 11 from Patent WO0112811.				
ACCESSION	AX083184				
VERSION	AX083184.1	GI:13185070			
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Homo sapiens				
REFERENCE	1				
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
TITLE	C-type lectin transmembrane antigen expressed in human prostate cancer and uses thereof				
JOURNAL	Patent: WO 0112811-A 11 22-FEB-2001;				
Urogenesys, Inc. (US)					
FEATURES	Location/Qualifiers				
source	1..14				
	/organism="Homo sapiens"				
	/mol_type="unassigned DNA"				
	/db_xref="taxon:9606"				
Query Match	7.7%; Score 10; DB 1; Length 14;				
Best Local Similarity	100.0%; Pred. No. 1.3e+02;				
Matches	10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	1457	TTGATCAAGC	1466		
Db	3	TTGATCAAGC	12		
RESULT 231					
LOCUS	AX107057	14 bp	DNA	linear	PAT 30-APR-2001
DEFINITION	Sequence 21 from Patent WO0125434.				
ACCESSION	AX107057				


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REFERENCE
AUTHORS      Afar,D.E., Hubert,R.S., Raitano,A.B., Saffran,D.C., Mitchell,S.C.,
              Faris,M. and Jakobovits,A.
TITLE        Serpentine transmembrane antigens expressed in human prostate
              cancers and uses thereof
JOURNAL      Patent: WO 0140276-A 23 07-JUN-2001;
              Urogenesys, Inc. (US)
FEATURES
source       Location/Qualifiers
              1. .14
              /organism="synthetic construct"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32630"
              /note="primer"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 234
AX212444
LOCUS        AX212444 14 bp DNA linear PAT 07-SEP-2001
DEFINITION   Sequence 7 from Patent WO0159110.
ACCESSION    AX212444
VERSION      AX212444.1 GI:15524098
KEYWORDS     .
SOURCE       synthetic construct
              artificial sequences.
ORGANISM     1
REFERENCE    1
AUTHORS      Raitano,A.B., Afar,D.E., Rastegar,G.S., Mitchell,S.C., Hubert,R.S.,
              Challita-Eid,P.M., Faris,M. and Jakobovits,A.
TITLE        103p2d6: tissue specific protein highly expressed in various
              cancers
JOURNAL      Patent: WO 0159110-A 7 16-AUG-2001;
              Urogenesys, Inc. (US)
FEATURES
source       Location/Qualifiers
              1. .14
              /organism="synthetic construct"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32630"
              /note="primer"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 235
AX213287
LOCUS        AX213287 14 bp DNA linear PAT 06-SEP-2001
DEFINITION   Sequence 7 from Patent WO0159115.
ACCESSION    AX213287
VERSION      AX213287.1 GI:15524195
KEYWORDS     .
SOURCE       synthetic construct
              artificial sequences.
ORGANISM     1
REFERENCE    1
AUTHORS      Hubert,R.S., Afar,D.E., Challita-Eid,P.M., Faris,M., Levin,E.,
              Mitchell,S.C. and Jakobovits,A.
TITLE        83p594: a tissue specific protein highly expressed in prostate
              cancer
JOURNAL      Patent: WO 0159115-A 7 16-AUG-2001;
              Urogenesys, Inc. (US)

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FEATURES
source       Location/Qualifiers
              1. .14
              /organism="synthetic construct"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32630"
              /note="primer"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 236
AX233638
LOCUS        AX233638 14 bp DNA linear PAT 11-SEP-2001
DEFINITION   Sequence 7 from Patent WO0162925.
ACCESSION    AX233638
VERSION      AX233638.1 GI:15593340
KEYWORDS     .
SOURCE       synthetic construct
              artificial sequences.
ORGANISM     1
REFERENCE    1
AUTHORS      Raitano,A.B., Afar,D.E., Rastegar,G.S., Mitchell,S.C., Hubert,R.S.,
              Challita-Eid,P.M., Faris,M. and Jakobovits,A.
TITLE        103p2d6: tissue specific protein highly expressed in various
              cancers
JOURNAL      Patent: WO 0162925-A 7 30-AUG-2001;
              Urogenesys, Inc. (US)
FEATURES
source       Location/Qualifiers
              1. .14
              /organism="synthetic construct"
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              /db_xref="taxon:32630"
              /note="primer"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
Db 3 TTGATCAAGC 12

RESULT 237
AX285303
LOCUS        AX285303 14 bp DNA linear PAT 20-NOV-2001
DEFINITION   Sequence 7 from Patent WO0179557.
ACCESSION    AX285303
VERSION      AX285303.1 GI:17045983
KEYWORDS     .
SOURCE       synthetic construct
              artificial sequences.
ORGANISM     1
REFERENCE    1
AUTHORS      Faris,M., Challita-Eid,P.M., Raitano,A.B., Mitchell,S.C., Afar,D.E.
              and Jakobovits,A.
TITLE        Gtp-binding protein useful in treatment and detection of cancer
              Patent: WO 0179557-A 7 25-OCT-2001;
              Urogenesys, Inc. (US)
JOURNAL
FEATURES
source       Location/Qualifiers
              1. .14
              /organism="synthetic construct"
              /mol_type="unassigned DNA"
              /db_xref="taxon:32630"
              /note="primer"

Query Match      7.7%; Score 10; DB 1; Length 14;

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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 238

AX369438
LOCUS AX369438 14 bp DNA linear PAT 16-FEB-2002
DEFINITION Sequence 7 from Patent WO0190157.
ACCESSION AX369438
VERSION AX369438.1 GI:18857338
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1

Challita-Eid, P.M., Hubert, R.S., Faris, M., Afar, D.E., Levin, E.,
Mitchell, S.C. and Jakobovits, A.
TITLE 98p7c3: homeodomain protein highly expressed in various cancers
JOURNAL Patent: WO 0190157-A 7 29-NOV-2001;
Urogenesys, Inc. (US)

FEATURES

source
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Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 239

AX379600
LOCUS AX379600 14 bp DNA linear PAT 18-MAR-2002
DEFINITION Sequence 10 from Patent WO0196391.
ACCESSION AX379600
VERSION AX379600.1 GI:19575287
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1

Faris, M., Hubert, R.S., Afar, D.E., Levin, E., Mitchell, S.C.,
Raitano, A.B. and Jakobovits, A.
TITLE 55p4h4: Gene expressed in various cancers
JOURNAL Patent: WO 0196391-A 10 20-DEC-2001;
Agensys, Inc. (US)

FEATURES

source
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Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 240

AX421186
LOCUS AX421186 14 bp DNA linear PAT 18-JUN-2002
DEFINITION Sequence 717 from Patent WO0216598.
ACCESSION AX421186
VERSION AX421186.1 GI:21524624
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1

Challita-Eid, P.M., Hubert, R.S., Raitano, A.B., Afar, D.E., Levin, E.,
Faris, M., Ge, W. and Jakobovits, A.
TITLE Nucleic acid and corresponding protein named 158plh4 useful in the
treatment and detection of bladder and other cancers
JOURNAL Patent: WO 0216598-A 717 28-FEB-2002;
Agensys, Inc. (US)

FEATURES

source
1..14
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 241

AX421198
LOCUS AX421198 14 bp DNA linear PAT 18-JUN-2002
DEFINITION Sequence 729 from Patent WO0216598.
ACCESSION AX421198
VERSION AX421198.1 GI:21524636
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1

Challita-Eid, P.M., Hubert, R.S., Raitano, A.B., Afar, D.E., Levin, E.,
Faris, M., Ge, W. and Jakobovits, A.
TITLE Nucleic acid and corresponding protein named 158plh4 useful in the
treatment and detection of bladder and other cancers
JOURNAL Patent: WO 0216598-A 729 28-FEB-2002;
Agensys, Inc. (US)

FEATURES

source
1..14
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 242

AX466358
LOCUS AX466358 14 bp DNA linear PAT 16-JUL-2002
DEFINITION Sequence 661 from Patent WO0216593.
ACCESSION AX466358
VERSION AX466358.1 GI:21899948
KEYWORDS synthetic construct
SOURCE synthetic construct

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ORGANISM      synthetic construct
REFERENCE      artificial sequences.
AUTHORS        1
               Faris,M., Hubert,R.S., Raitano,A.B., Afar,D.E., Levin,E.,
               Challita-Eid,P.M. and Jakobovits,A.
TITLE          Nucleic acid and corresponding protein named 158p1d7 useful in the
               treatment and detection of bladder and other cancers
JOURNAL        Patent: WO 0216593-A 661 28-FEB-2002;
               Agensys, Inc. (US)
FEATURES       Location/Qualifiers
               source
               1..14
               /organism="synthetic construct"
               /mol_type="unassigned DNA"
               /db_xref="taxon:32630"
               /note="Primer"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1457 TTGATCAAGC 1466
Db      3 TTGATCAAGC 12

RESULT 243
LOCUS      AX586901                      14 bp      DNA      linear      PAT 10-JAN-2003
DEFINITION Sequence 2586 from Patent WO02060953.
ACCESSION  AX586901
VERSION     AX586901.1 GI:27655789
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
REFERENCE    1
AUTHORS      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
               Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
TITLE       Challita-Eid,P.M., Faris,M., Afar,D.E., Hubert,R.S., Mitchell,S.C.,
               Levin,E., Morrison,K.J., Raitano,A.B. and Jakobovits,A.
KEYWORDS    Nucleic acid and encoded zinc transporter protein entitled 108p5h8
               useful in treatment and detection of cancer
JOURNAL     Patent: WO 02060953-A 2586 08-AUG-2002;
               Agensys, Inc. (US)
FEATURES     Location/Qualifiers
               source
               1..14
               /organism="Homo sapiens"
               /mol_type="unassigned DNA"
               /db_xref="taxon:9606"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1457 TTGATCAAGC 1466
Db      3 TTGATCAAGC 12

RESULT 244
LOCUS      AX655961                      14 bp      DNA      linear      PAT 22-MAR-2003
DEFINITION Sequence 5831 from Patent WO03000898.
ACCESSION  AX655961
VERSION     AX655961.1 GI:29158775
KEYWORDS    Oryza sativa
SOURCE      Oryza sativa
ORGANISM    Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
               Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
               Ehrhartoideae; Oryzaceae; Oryza.
REFERENCE    1
AUTHORS      Chang,H.S., Chen,W., Cooper,B., Glazebrook,J., Goff,S.A., Hou,Y.M.,
               Katagiri,F., Quan,S., Tao,Y., Whitman,S., Xie,Z., Zhu,T. and Zou,G.

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TITLE          Plant genes involved in defense against pathogens
JOURNAL        Patent: WO 03000898-A 5831 03-JAN-2003;
               Syngenta Participations AG (CH)
FEATURES       Location/Qualifiers
               source
               1..14
               /organism="Oryza sativa"
               /mol_type="unassigned DNA"
               /db_xref="taxon:4530"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1394 AAAGGAGGTAAA 1405
Db      3 AAAGGGGTAAA 14

RESULT 245
LOCUS      BD066089                      14 bp      DNA      linear      PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION  BD066089
VERSION     BD066089.1 GI:22611692
KEYWORDS    JP 2001511000-A/724.
SOURCE      unidentified
ORGANISM     unclassified.
REFERENCE    1 (bases 1 to 14)
AUTHORS      Schlingensiepen,K.H. and Brysch,W.
TITLE       An antisense oligonucleotide preparation method
JOURNAL     Patent: JP 2001511000-A 724 07-AUG-2001;
               BIOGOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT      OS Unknown
               PN JP 2001511000-A/724
               PD 07-AUG-2001
               PF 30-JAN-1998 JP 1998532533
               PR 31-JAN-1997 EP 97101531.8
               PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
               PC C12N15/11,C07H21/04,A61K31/70
               CC An antisense oligonucleotide preparation method FH Key
               Location/Qualifiers
               FT source
               1..14
               /organism='Unknown'.
               Location/Qualifiers
               source
               1..14
               /organism="unidentified"
               /mol_type="genomic DNA"
               /db_xref="taxon:32644"

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1410 TTAATGATGA 1419
Db      12 TTAATGATGA 3

RESULT 246
LOCUS      BD223685                      14 bp      DNA      linear      PAT 17-JUL-2003
DEFINITION BPC-1: secretory brain-specific protein expressed and secreted in
               prostatic and vesical cancer cells.
ACCESSION  BD223685
VERSION     BD223685.1 GI:33033455
KEYWORDS    JP 2002522076-A/2.
SOURCE      synthetic construct
ORGANISM     synthetic construct
               artificial sequences.
REFERENCE    1 (bases 1 to 14)
AUTHORS      Afar,D.E., Hubert,R.S., Leong,K., Raitano,A.B., Saffran,D.C. and
               Jakobovits,A.

```

TITLE BPC-1: secretory brain-specific protein expressed and secreted in prostatic and vesical cancer cells
JOURNAL Patent: JP 2002522076-A 2 23-JUL-2002;
COMMENT UROGENESYS INC
OS Artificial Sequence
PD 23-JUL-2002
PF 10-AUG-1999 JP 2000565126
PR 10-AUG-1998 US 60/095982
PI DANIEL E APAR, RENE S HUBERT, KAHAN LEONG, ARTHUR B RAITANO PI
DOUGLAS C SAFFRAN,
PI AYA JAKOBOVITS
PC C12N15/09, A61K31/7088, A61K31/7105, A61K39/385, A61K39/395, A61K39/ PC
395,
PC A61K48/00, A61P13/08, A61P13/10, A61P35/00, C07K14/47, C07K16/18,
PC C12N1/15,
PC C12N1/19, C12N1/21, C12N5/10, C12N5/10, C12P21/02, C12Q1/68, G01N33/493,
PC G01N33/50, G01N33/53//C12P21/08, (C12P21/02, C12R1:91), C12N15/00,
PC C12N5/00,
PC C12N5/00,
CC Description of Artificial Sequence: cDNA synthesis primer PH
Key Location/Qualifiers
FT source 1..14
FEATURES
source Location/Qualifiers
1..14
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1457 TTGATCAAGC 1466
|||||
Db 3 TTGATCAAGC 12

RESULT 247
AR096039
LOCUS AR096039 13 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 5 from patent US 6005086.
ACCESSION AR096039
VERSION AR096039.1 GI:10024476
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Evans, R.M., Forman, B.M. and Weinberger, C.A.
TITLE Farnesoid activated receptor polypeptides, and nucleic acid encoding the same
JOURNAL Patent: US 6005086-A 5 21-DEC-1999;
FEATURES Location/Qualifiers
source 1..13
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1425 CGTTCATGCAGA 1437
|||||
Db 1 CGTTCATGCACA 13

RESULT 248
BD273346/c
LOCUS BD273346 13 bp DNA linear PAT 17-JUL-2003

DEFINITION Adenovirus derived gene delivery vehicles comprising at least one element of adenovirus type 35.
ACCESSION BD273346
VERSION BD273346.1 GI:33083114
KEYWORDS JP 2002543846-A/42.
SOURCE Adenoviridae
ORGANISM Adenoviridae
REFERENCE 1 (bases 1 to 13)
AUTHORS Bout, A., Havenaga, M.J.B. and Vogels, R.
TITLE Adenovirus derived gene delivery vehicles comprising at least one element of adenovirus type 35
JOURNAL Patent: JP 2002543846-A 42 24-DEC-2002;
COMMENT CRUCCELL HOLLAND BV
OS Adenoviridae
PN JP 2002543846-A/42
PD 24-DEC-2002
PF 16-MAY-2000 JP 2000618477
PI 17-MAY-1999 EP 99201545.3
PI ABRAHAM BOUT, MENZO JANS EMCO HAVENAGA, RONALD VOGELS PC
C12N15/09, A61K35/76, A61K48/00, A61P43/00, C12N5/10, C12N15/00, PC
C12N5/00
CC /note="Partial sequence of an adenovirus ITR" FH Key
FT Location/Qualifiers
misc feature (1)..(13).
FEATURES
source Location/Qualifiers
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/organism="Adenoviridae"
/mol_type="genomic DNA"
/db_xref="taxon:10508"

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGATG 1418
|||||
Db 13 ATTATTCATGATG 1

RESULT 249
AR217417
LOCUS AR217417 13 bp DNA linear PAT 25-SEP-2002
DEFINITION Sequence 5 from patent US 6416957.
ACCESSION AR217417
VERSION AR217417.1 GI:23317108
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Evans, R.M., Forman, B.M. and Weinberger, C.A.
TITLE Method for modulating process mediated by farnesoid activated receptors
JOURNAL Patent: US 6416957-A 5 09-JUL-2002;
FEATURES Location/Qualifiers
source 1..13
/organism="unknown"
/mol_type="unassigned DNA"

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1425 CGTTCATGCAGA 1437
|||||
Db 1 CGTTCATGCACA 13

RESULT 250
AR305535
LOCUS AR305535 13 bp DNA linear PAT 12-JUN-2003
DEFINITION Sequence 3 from patent US 6545162.

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ACCESSION AR305535
VERSION AR305535.1 GI:31694944
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Dervan,P.B. and Baird,E.B.
TITLE Method for the synthesis of pyrrole and imidazole carboxamides on a
JOURNAL solid support
PATENT: US 6545162-A 3 08-APR-2003;
FEATURES
source
1..13
/organism="unknown"
/mol_type="genomic DNA"

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATA 1443
Db 1 ATATAGACATATA 13

RESULT 251
LOCUS AX049941/c
DEFINITION Sequence 42 from Patent WO0070071.
ACCESSION AX049941
VERSION AX049941.1 GI:12226318
KEYWORDS
SOURCE Adenoviridae
ORGANISM Adenoviridae
REFERENCE 1
AUTHORS Bout,A., Havenga,M.J. and Vogels,R.
TITLE Adenovirus derived gene delivery vehicles comprising at least one
JOURNAL element of adenovirus type 35
PATENT: WO 0070071-A 42 23-NOV-2000;
INTROGENE B.V. (NL)
FEATURES
source
1..13
/organism="Adenoviridae"
/mol_type="unassigned DNA"
/db_xref="taxon:10508"
misc_feature 1..13
/notes="Partial sequence of an adenovirus ITR"

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 13 ATTATTGATGATG 1

RESULT 252
LOCUS AX300872/c
DEFINITION Sequence 41 from Patent WO0185955.
ACCESSION AX300872
VERSION AX300872.1 GI:17382150
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Bahr,G., Cocude,C. and Capron,A.
TITLE Rhl6 polypeptides and its fragments and polynucleotides encoding
JOURNAL said polypeptides and therapeutic uses
PATENT: WO 0185955-A 41 15-NOV-2001;

Istac (FR) : INSTITUT PASTEUR DE LILLE (FR)
FEATURES
source
1..13
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/notes="Amorce"

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1349 GGGAGAGAAAATA 1361
Db 13 GGGTAGAAGATA 1

RESULT 253
LOCUS AJ587409/c
DEFINITION i3 bp DNA linear PLN 23-OCT-2003
Arabidopsis thaliana T-DNA flanking sequence, right border, clone
274E08.
ACCESSION AJ587409
VERSION AJ587409.1 GI:37937033
KEYWORDS right border; T-DNA flanking sequence.
SOURCE Arabidopsis thaliana (thale cress)
ORGANISM Arabidopsis thaliana
REFERENCE 1
AUTHORS Brunaud,V., Balzerque,S., Dubreucq,B., Aubourg,S., Samson,F.,
Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
Lepiniec,L., Caboche,M. and Leclarny,A.
TITLE T-DNA integration into the Arabidopsis genome depends on sequences
of pre-insertion sites
JOURNAL EMBO Rep. 3 (12), 1152-1157 (2002)
MEDLINE 22363535
PUBMED 12446565
REFERENCE 2 (bases 1 to 13)
AUTHORS Balzerque,S.
TITLE Direct Submision
JOURNAL Submitted (23-OCT-2003) Balzerque S., UMRGV, INRA/CNRS, 2 rue
Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT PCR was performed on DNA from transformants of Arabidopsis thaliana
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequenced from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.fr).
FEATURES
source
1..13
/organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
/cultivar="Massillewskija"
/db_xref="taxon:3702"
/clone="274E08"
/misc_feature 1..13
/notes="Arabidopsis thaliana T-DNA insertion lines"
/notes="T-DNA flanking sequence
right border"

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
Db 13 GGGTAGAAGATA 1

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Db      13  AAAAAAATTATCC 1

RESULT 254
A64290
LOCUS      A64290      14 bp      DNA      linear      PAT 29-MAR-1999
DEFINITION Sequence 78 from Patent WO9727332.
ACCESSION A64290
VERSION   A64290.1 GI:3717721
KEYWORDS .
SOURCE    unidentified
ORGANISM  unidentified
          unclassified.
REFERENCE 1
AUTHORS   Stuyver,L., Louwagie,J. and Rossau,R.
TITLE     METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
          TRANSCRIPTASE GENE
JOURNAL   Patent: WO 9727332-A 78 31-JUL-1997;
COMMENT   INNOGENETICS NV (BE)
FEATURES  Other publication AU 1444397 19970820.
          Location/Qualifiers
            source
              1..14
                /organism="unidentified"
                /mol_type="unassigned DNA"
                /db_xref="taxon:32644"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1441 ATACATGGAGAT 1453
Db      2 ATACATAGATGAT 14

RESULT 255
A88590
LOCUS      A88590      14 bp      DNA      linear      PAT 22-JAN-2000
DEFINITION Sequence 738 from Patent WO9833904.
ACCESSION A88590
VERSION   A88590.1 GI:6737160
KEYWORDS .
SOURCE    unidentified
ORGANISM  unidentified
          unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS   Brysch,W.D. and Schlingensiepen,K.
TITLE     AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL   Patent: WO 9833904-A 738 06-AUG-1998;
          BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES  Location/Qualifiers
            source
              1..14
                /organism="unidentified"
                /mol_type="unassigned DNA"
                /db_xref="taxon:32644"

Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1402 TAAATTTGTTAAT 1414
Db      2 TAAATTTTGAAT 14

RESULT 256
A88639/c
LOCUS      A88639      14 bp      DNA      linear      PAT 22-JAN-2000
DEFINITION Sequence 787 from Patent WO9833904.
ACCESSION A88639
VERSION   A88639.1 GI:6737209
KEYWORDS .
SOURCE    unidentified
          unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS   Brysch,W.D. and Schlingensiepen,K.
TITLE     AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL   Patent: EP 0856579-A 787 05-AUG-1998;
          BIOGNOSTIK GES (DE)
FEATURES  Location/Qualifiers
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                /mol_type="unassigned DNA"
                /db_xref="taxon:32644"

ORGANISM  unidentified
          unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS   Brysch,W. and Schlingensiepen,K.
TITLE     AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL   Patent: WO 9833904-A 787 06-AUG-1998;
          BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES  Location/Qualifiers
            source
              1..14
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Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1351 GAAGAAAAATATT 1363
Db      13 GAAAAAATATT 1

RESULT 257
A90557
LOCUS      A90557      14 bp      DNA      linear      PAT 22-JAN-2000
DEFINITION Sequence 738 from Patent EP0856579.
ACCESSION A90557
VERSION   A90557.1 GI:6739071
KEYWORDS .
SOURCE    unidentified
ORGANISM  unidentified
          unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS   Brysch,W.D. and Schlingensiepen,K.D.
TITLE     An antisense oligonucleotide preparation method
JOURNAL   Patent: EP 0856579-A 738 05-AUG-1998;
          BIOGNOSTIK GES (DE)
FEATURES  Location/Qualifiers
            source
              1..14
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                /mol_type="unassigned DNA"
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Query Match      7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1402 TAAATTTGTTAAT 1414
Db      2 TAAATTTTGAAT 14

RESULT 258
A90606/c
LOCUS      A90606      14 bp      DNA      linear      PAT 22-JAN-2000
DEFINITION Sequence 787 from Patent EP0856579.
ACCESSION A90606
VERSION   A90606.1 GI:6739120
KEYWORDS .
SOURCE    unidentified
ORGANISM  unidentified
          unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS   Brysch,W.D. and Schlingensiepen,K.D.
TITLE     An antisense oligonucleotide preparation method
JOURNAL   Patent: EP 0856579-A 787 05-AUG-1998;
          BIOGNOSTIK GES (DE)
FEATURES  Location/Qualifiers
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Query Match          7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1351 GAAGAAAATATT 1363
Db 13 GAACAAATATT 1

RESULT 259
AR093390/c
LOCUS AR093390 14 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 8 from patent US 6001557.
ACCESSION AR093390
VERSION AR093390.1 GI:10020140
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Wilson,J.M., Fisher,K.J., Chen,S.-J. and Weitzman,M.
TITLE Adenovirus and methods of use thereof
JOURNAL Patent: US 6001557-A 8 14-DEC-1999;
FEATURES
    Location/Qualifiers
        source
            1..14
                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match          7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
Db 14 AGACAAATATTAC 2

RESULT 260
AR102589
LOCUS AR102589 14 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 78 from patent US 6087093.
ACCESSION AR102589
VERSION AR102589.1 GI:12814177
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse
JOURNAL transcriptase gene
FEATURES
    Location/Qualifiers
        source
            1..14
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Query Match          7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
Db 14 AGACAAATATTAC 2

RESULT 260
AR102589
LOCUS AR102589 14 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 78 from patent US 6087093.
ACCESSION AR102589
VERSION AR102589.1 GI:12814177
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Lieven,S., Joost,L. and Rudi,R.
TITLE Method for detection of drug-induced mutations in the reverse
JOURNAL transcriptase gene
FEATURES
    Location/Qualifiers
        source
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                /organism="unknown"
                /mol_type="unassigned DNA"

Query Match          7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
Db 2 ATACATAGATGAT 14

RESULT 261
AR141985/c
LOCUS AR141985 14 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 8 from patent US 6174527.
ACCESSION AR141985
VERSION AR141985.1 GI:15102285
KEYWORDS

SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 14)
AUTHORS Pederson,F.S., Jespersen,T. and Duch,M.
TITLE Expression of foreign genes from IRES transcription cassette in
JOURNAL retrovirus vector
COMMENT Patent: JP 2002542834-A 12 17-DEC-2002;
OS Aarhus University
PN JP 2002542834-A/12
PD 17-DEC-2002
PF 29-APR-2000 JP 2000615780
PR 29-APR-1999 DK PA 199900584
PI FINN SKOU PEDERSON,THOMAS JESPERSEN,MOGENS DUCH PC

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Cl12N15/09,A61K35/12,A61K35/76,A61K48/00,A61P43/00,Cl12N5/06, PC
 Cl12N5/10,
 PC Cl12N7/00,Cl12N7/02,G01N33/569// (Cl12N7/00,Cl12R1:93),Cl12N15/00,
 PC Cl12N5/00,
 PC Cl12N5/00
 CC Description of Artificial Sequence:5 prime of PL of AENGPMK2
 FH Key
 FT source
 1. .14
 Location/Qualifiers
 /organism='Artificial Sequence'.
 /db_xref='taxon:32630'

FEATURES
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 1. .14
 /organism='synthetic construct'
 /mol_type='genomic DNA'
 /db_xref='taxon:32630'

Query Match 7.5%; Score 9.8; DB 1; Length 14;
 Best Local Similarity 84.6%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1346 CAGGGGAGAAAA 1358
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 Db 1 CACGGGAATAAAA 13

RESULT 264
 I58674/C I58674 14 bp DNA linear PAT 07-OCT-1997
 LOCUS
 DEFINITION Sequence 8 from patent US 5652224.
 ACCESSION I58674
 VERSION I58674.1 GI:2477912
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 UNCLASSIFIED.
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Wilson,J.M., Kozarsky,K. and Strauss,J. III.
 TITLE Methods and compositions for gene therapy for the treatment of
 defects in lipoprotein metabolism
 JOURNAL Patent: US 5652224-A 8 29-JUL-1997;
 FEATURES Location/Qualifiers
 source
 1. .14
 /organism='unknown'
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Query Match 7.5%; Score 9.8; DB 1; Length 14;
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 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1365
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 Db 14 AGACAAATATTAC 2

RESULT 265
 AR241718/C AR241718 14 bp DNA linear PAT 20-DEC-2002
 LOCUS
 DEFINITION Sequence 6 from patent US 6472154.
 ACCESSION AR241718
 VERSION AR241718.1 GI:27287530
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 UNCLASSIFIED.
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Garner,H.R., Wren,J.D., Minna,J.D. and Pondon,J.W. III.
 TITLE Polymorphic repeats in human genes
 JOURNAL Patent: US 6472154-A 6 29-OCT-2002;
 FEATURES Location/Qualifiers
 source
 1. .14
 /organism='unknown'
 /mol_type='genomic DNA'

Query Match 7.5%; Score 9.8; DB 1; Length 14;

Best Local Similarity 84.6%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1430 TATGCACACATAT 1442
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 Db 14 TATGCACACAT 2

RESULT 266
 AR262892 AR262892 14 bp DNA linear PAT 29-JAN-2003
 LOCUS
 DEFINITION Sequence 78 from patent US 6331389.
 ACCESSION AR262892
 VERSION AR262892.1 GI:28074595
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 UNCLASSIFIED.
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Lieven,S., Joost,L. and Rudi,R.
 TITLE Method for detection of drug-induced mutations in the reverse
 transcriptase gene
 JOURNAL Patent: US 6331389-A 78 18-DEC-2001;
 FEATURES Location/Qualifiers
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 1. .14
 /organism='unknown'
 /mol_type='genomic DNA'

Query Match 7.5%; Score 9.8; DB 1; Length 14;
 Best Local Similarity 84.6%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1441 ATACATGGAGAT 1453
 |||||
 Db 2 ATACATAGATGAT 14

RESULT 267
 AR363706 AR363706 14 bp DNA linear PAT 03-SEP-2003
 LOCUS
 DEFINITION Sequence 5 from patent US 5223407.
 ACCESSION AR363706
 VERSION AR363706.1 GI:34425645
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 UNCLASSIFIED.
 REFERENCE 1 (bases 1 to 14)
 AUTHORS Wong,W.K.R. and Sutherland,M.L.
 TITLE Excretion of heterologous proteins from E. Coli
 JOURNAL Patent: US 5223407-A 5 29-JUN-1993;
 FEATURES Location/Qualifiers
 source
 1. .14
 /organism='unknown'
 /mol_type='genomic DNA'

Query Match 7.5%; Score 9.8; DB 1; Length 14;
 Best Local Similarity 84.6%; Pred. No. 1.4e+02;
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1396 AGGAGTAAAT 1408
 |||||
 Db 1 AGGAGGAAAAAT 13

RESULT 268
 AR363707 AR363707 14 bp DNA linear PAT 03-SEP-2003
 LOCUS
 DEFINITION Sequence 6 from patent US 5223407.
 ACCESSION AR363707
 VERSION AR363707.1 GI:34425646
 KEYWORDS
 SOURCE Unknown.


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ORGANISM Unknown.
Unclassified.
REFERENCE
1 (bases 1 to 14)
AUTHORS
Wong, W.K.R. and Sutherland, M.L.
TITLE
Excretion of heterologous proteins from E. Coli
JOURNAL
Patent: US 5223407-A 6 29-JUN-1993;
FEATURES
Location/Qualifiers
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/organism="unknown"
/mol_type="genomic DNA"

Query Match
Best Local Similarity 7.5%; Score 9.8; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAT 1408
Db 1 AGGAGGAAAAAT 13

RESULT 269
LOCUS
AR408030/c
DEFINITION
Sequence 123 from patent US 6632057.
ACCESSION
AR408030
VERSION
AR408030.1 GI:40158017
KEYWORDS
Unknown.
SOURCE
Unknown.
ORGANISM
Unclassified.
REFERENCE
1 (bases 1 to 14)
AUTHORS
Fauchet, C.R.J.
TITLE
Fixing unit with an end imprint in a threaded terminal portion
JOURNAL
Patent: US 6632057-A 123 14-OCT-2003;
FEATURES
Location/Qualifiers
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/mol_type="unassigned RNA"

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Best Local Similarity 7.5%; Score 9.8; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1380 ATCGTCTTCGAT 1392
Db 13 ATCTCTTCGTCT 1

RESULT 270
AX045731
LOCUS
AX045731
DEFINITION
Sequence 12 from Patent WO0066758.
ACCESSION
AX045731
VERSION
AX045731.1 GI:11344101
KEYWORDS
synthetic construct
SOURCE
synthetic construct
artificial sequences.
ORGANISM
1
REFERENCE
1
AUTHORS
Pederson, F.S., Jespersen, T. and Duch, M.
TITLE
Expression of heterologous genes from an ires translational
cassette in retroviral vectors
JOURNAL
Patent: WO 0066758-A 12 09-NOV-2000;
Aarhus University (DK)
FEATURES
Location/Qualifiers
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/organism="synthetic construct"
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/note="5 prime of PL of AENGFMK2"

Query Match
Best Local Similarity 7.5%; Score 9.8; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAAGAAA 1358
Db 1 CACGGGAATNAAA 13

RESULT 271
AX571850
LOCUS
AX571850
DEFINITION
Sequence 9 from Patent WO02077274.
ACCESSION
AX571850
VERSION
AX571850.1 GI:26003984
KEYWORDS
Homo sapiens (human)
SOURCE
Homo sapiens
ORGANISM
Homo sapiens
REFERENCE
1
AUTHORS
Blanche, F. and Cameron, B.
TITLE
Methods for purifying and detecting double stranded dna target
sequences by triple helix interaction
JOURNAL
Patent: WO 02077274-A 9 03-OCT-2002;
Aventis Pharma S.A. (FR)
FEATURES
Location/Qualifiers
source
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match
Best Local Similarity 7.5%; Score 9.8; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAA 1359
Db 2 AGGAGAAGAGAA 14

RESULT 272
AX572321
LOCUS
AX572321
DEFINITION
Sequence 361 from Patent WO02055741.
ACCESSION
AX572321
VERSION
AX572321.1 GI:26004411
KEYWORDS
Human immunodeficiency virus
SOURCE
Human immunodeficiency virus
Viruses; Retroviridae; Lentivirus; Primate
ORGANISM
1
REFERENCE
1
AUTHORS
de Smet, K. and Stuyver, L.
TITLE
Method for detection of drug-induced mutations in the hiv reverse
transcriptase gene
JOURNAL
Patent: WO 02055741-A 361 18-JUL-2002;
INNOGENETICS N.V. (BE)
FEATURES
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:12721"

Query Match
Best Local Similarity 7.5%; Score 9.8; DB 1; Length 14;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1437 ACATATACATGGA 1449
Db 1 ACCAATACATGGA 13

RESULT 273
AX572338

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RESULT 277
AR374279/c
LOCUS AR374279 14 bp DNA linear PAT 18-DEC-2003
DEFINITION Sequence 10 from patent US 6605431.
ACCESSION AR374279
VERSION AR374279.1 GI:40076994
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE Unclassified.
1 (bases 1 to 14)
AUTHORS Gourse,R.L., Estrem,S.T., Ross,W.E. and Gaal,T.
TITLE Promoter elements and methods of use
JOURNAL Patent: US 6605431-A 10 12-AUG-2003;
FEATURES Location/Qualifiers
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source /organism="unknown"
/mol_type="genomic DNA"

Query Match 6.9%; Score 9; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1355 AAAAATATT 1363
Db 13 AAAAATATT 5

RESULT 278
A04336/c
LOCUS A04336 12 bp DNA linear PAT 15-APR-1993
DEFINITION Nucleotide sequence 13 from patent number WO8300346.
ACCESSION A04336
VERSION A04336.1 GI:344881
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 12)
AUTHORS
JOURNAL Patent: WO 8300346-A 13 03-FEB-1983;
FEATURES Location/Qualifiers
1..12
source /organism="synthetic construct"
/mol_type="unassigned DNA"
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Query Match 6.8%; Score 8.8; DB 1; Length 12;
Best Local Similarity 83.3%; Pred. No. 2.1e+02;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1455 GGTGATCAAGC 1466
Db 12 GTTGATCAACC 1

Search completed: April 7, 2004, 06:58:03
Job time : 2 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:00:45 ; Search time 1 Seconds
(without alignments)
3.126 Million cell updates/sec

Title: us-10-006-911-3

Perfect score: 130
Sequence: 1 tcagggaagaaataattc.....ggttgatcaagcaaatagga 130

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 881 seqs, 12022 residues

Total number of hits satisfying chosen parameters: 1762

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 882 summaries

Database : rng.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 1	20	15.4	20	1	ADC66360 Human collapsin re
C 2	20	15.4	20	1	ADC66359 Human collapsin re
C 3	20	15.4	20	1	ADC66357 Human collapsin re
C 4	20	15.4	20	1	ADC66356 Human collapsin re
C 5	20	15.4	20	1	ADC66358 Human collapsin re
C 6	20	15.4	20	1	ADC66361 Human collapsin re
C 7	20	15.4	20	1	ADC66362 Human collapsin re
C 8	15.6	12.0	22	1	AAZ20454 PCR primer Bnag5Fo
C 9	15.2	11.7	20	1	AAF83488 Human ADAM10 mRNA
C 10	15.2	11.7	20	1	ABK85325 Human PTPIB antise
C 11	15.2	11.7	20	1	ABK85325 Human PTPIB antise
C 12	15.2	11.7	20	1	ABK85325 Human PTPIB antise
C 13	14.8	11.4	20	1	AAQ84976 Putative NFAT bind
C 14	14.8	11.4	20	1	AAQ84976 Putative NFAT bind
C 15	14.8	11.4	20	1	AAQ84976 Putative NFAT bind
C 16	14.4	11.1	17	1	AD66410 NF-AT DNA binding
C 17	14.2	10.9	20	1	AD66410 NF-AT DNA binding
C 18	14.2	10.9	20	1	AD66410 NF-AT DNA binding
C 19	14.2	10.9	20	1	AD66410 NF-AT DNA binding
C 20	14.2	10.9	20	1	AD66410 NF-AT DNA binding
C 21	14	10.8	18	1	ABX04789 Tumour suppression
C 22	13.8	10.6	17	1	ABV79885 PCR primer used to
C 23	13.8	10.6	17	1	ABV79885 PCR primer used to
C 24	13.8	10.6	17	1	ABV79885 PCR primer used to
C 25	13.8	10.6	17	1	ABV79885 PCR primer used to
C 26	13.8	10.6	17	1	ABV79885 PCR primer used to
C 27	13.8	10.6	17	1	ABV79885 PCR primer used to
C 28	13.8	10.6	17	1	ABV79885 PCR primer used to
C 29	13.8	10.6	17	1	ABV79885 PCR primer used to
C 30	13.4	10.3	17	1	AAV93431 Dog genomic marker
C 31	13.4	10.3	17	1	AAV93431 Dog genomic marker
C 32	13.4	10.3	17	1	AAV93431 Dog genomic marker
C 33	13.4	10.3	17	1	ABK17907 Guanylate kinase g

34	13.4	10.3	17	1	ABZ34117 HIV-1 reverse tran
C 35	13.4	10.3	17	1	AD56453 2'-F-ANA antisense
C 36	13.4	10.3	17	1	AD56443 CAT antisense olig
C 37	13.4	10.3	18	1	ABZ34116 HIV-1 reverse tran
C 38	13.2	10.2	18	1	AT80036 Alpha2 integrin pr
C 39	13.2	10.2	18	1	AAZ17884 RT-PCR primer spec
C 40	13.2	10.2	18	1	AAZ18050 CNX embryonic gene
C 41	13.2	10.2	18	1	AAZ17882 RT-PCR primer spec
C 42	13.2	10.2	18	1	AAZ18048 CNX embryonic gene
C 43	13.2	10.2	18	1	AAZ17882 Human integrin bet
C 44	13	10.0	13	1	ABH37069 Oligonucleotide SE
C 45	13	10.0	13	1	ABF73483 Oligonucleotide SE
C 46	13	10.0	13	1	ABF73482 Oligonucleotide SE
C 47	13	10.0	13	1	ABH37068 Oligonucleotide SE
C 48	13	10.0	17	1	AAF03083 Hammerhead ribozym
C 49	13	10.0	17	1	AAF03082 Hammerhead ribozym
C 50	13	10.0	17	1	AAF03081 Hammerhead ribozym
C 51	13	10.0	17	1	AAF03079 Hammerhead ribozym
C 52	13	10.0	17	1	AAF03080 Hammerhead ribozym
C 53	13	10.0	17	1	AAF03085 Hammerhead ribozym
C 54	13	10.0	17	1	AAV91002 Human C-raf target
C 55	12.8	9.8	17	1	AAV91002 Human C-raf target
C 56	12.8	9.8	17	1	AAV91002 Human C-raf target
C 57	12.8	9.8	17	1	AAV91002 Human C-raf target
C 58	12.8	9.8	17	1	AAV91002 Human C-raf target
C 59	12.8	9.8	17	1	AAV91002 Human C-raf target
C 60	12.8	9.8	17	1	AAV91002 Human C-raf target
C 61	12.8	9.8	17	1	AAV91002 Human C-raf target
C 62	12.8	9.8	17	1	AAV91002 Human C-raf target
C 63	12.8	9.8	17	1	AAV91002 Human C-raf target
C 64	12.8	9.8	17	1	AAV91002 Human C-raf target
C 65	12.8	9.8	17	1	AAV91002 Human C-raf target
C 66	12.8	9.8	17	1	AAV91002 Human C-raf target
C 67	12.8	9.8	17	1	AAV91002 Human C-raf target
C 68	12.8	9.8	17	1	AAV91002 Human C-raf target
C 69	12.8	9.8	17	1	AAV91002 Human C-raf target
C 70	12.8	9.8	17	1	AAV91002 Human C-raf target
C 71	12.8	9.8	17	1	AAV91002 Human C-raf target
C 72	12.8	9.8	17	1	AAV91002 Human C-raf target
C 73	12.8	9.8	17	1	AAV91002 Human C-raf target
C 74	12.8	9.8	17	1	AAV91002 Human C-raf target
C 75	12.8	9.8	17	1	AAV91002 Human C-raf target
C 76	12.4	9.5	15	1	AAV91002 Human C-raf target
C 77	12.4	9.5	15	1	AAV91002 Human C-raf target
C 78	12.4	9.5	15	1	AAV91002 Human C-raf target
C 79	12.4	9.5	15	1	AAV91002 Human C-raf target
C 80	12.4	9.5	15	1	AAV91002 Human C-raf target
C 81	12.4	9.5	15	1	AAV91002 Human C-raf target
C 82	12.4	9.5	15	1	AAV91002 Human C-raf target
C 83	12.4	9.5	15	1	AAV91002 Human C-raf target
C 84	12.4	9.5	15	1	AAV91002 Human C-raf target
C 85	12.4	9.5	15	1	AAV91002 Human C-raf target
C 86	12.4	9.5	15	1	AAV91002 Human C-raf target
C 87	12.4	9.5	15	1	AAV91002 Human C-raf target
C 88	12.4	9.5	15	1	AAV91002 Human C-raf target
C 89	12.4	9.5	15	1	AAV91002 Human C-raf target
C 90	12.4	9.5	15	1	AAV91002 Human C-raf target
C 91	12.4	9.5	15	1	AAV91002 Human C-raf target
C 92	12.4	9.5	15	1	AAV91002 Human C-raf target
C 93	12.4	9.5	15	1	AAV91002 Human C-raf target
C 94	12.4	9.5	15	1	AAV91002 Human C-raf target
C 95	12.4	9.5	15	1	AAV91002 Human C-raf target
C 96	12.4	9.5	15	1	AAV91002 Human C-raf target
C 97	12.4	9.5	15	1	AAV91002 Human C-raf target
C 98	12.4	9.5	15	1	AAV91002 Human C-raf target
C 99	12.4	9.5	15	1	AAV91002 Human C-raf target
C 100	12.4	9.5	15	1	AAV91002 Human C-raf target
C 101	12.4	9.5	15	1	AAV91002 Human C-raf target
C 102	12.4	9.5	15	1	AAV91002 Human C-raf target
C 103	12.4	9.5	15	1	AAV91002 Human C-raf target
C 104	12.4	9.5	15	1	AAV91002 Human C-raf target
C 105	12.4	9.5	15	1	AAV91002 Human C-raf target
C 106	12.4	9.5	15	1	AAV91002 Human C-raf target

C 253	11	8.5	11	1	AAK14909	Triple helix third	C 326	11	8.5	13	1	ABF34022	Oligonucleotide SE
C 254	11	8.5	12	1	AB160621	Oligonucleotide pr	C 327	11	8.5	13	1	ABF44842	Oligonucleotide SE
C 255	11	8.5	12	1	ABH82139	Oligonucleotide pr	C 328	11	8.5	13	1	ABH20328	Oligonucleotide SE
C 256	11	8.5	12	1	ABH68622	Oligonucleotide pr	C 329	11	8.5	13	1	ABF50148	Oligonucleotide SE
C 257	11	8.5	12	1	ABH83672	Oligonucleotide pr	C 330	11	8.5	13	1	ABH01235	Oligonucleotide SE
C 258	11	8.5	12	1	AB135090	Oligonucleotide pr	C 331	11	8.5	13	1	ABH36383	Oligonucleotide SE
C 259	11	8.5	12	1	ABH79380	Oligonucleotide pr	C 332	11	8.5	13	1	ABF44843	Oligonucleotide SE
C 260	11	8.5	12	1	ABH82138	Oligonucleotide pr	C 333	11	8.5	13	1	ABH20329	Oligonucleotide SE
C 261	11	8.5	12	1	ABH85259	Oligonucleotide pr	C 334	11	8.5	13	1	ABF84488	Oligonucleotide SE
C 262	11	8.5	12	1	ABH78224	Oligonucleotide pr	C 335	11	8.5	13	1	ABF84489	Oligonucleotide SE
C 263	11	8.5	12	1	AB138916	Oligonucleotide pr	C 336	11	8.5	13	1	ABC88579	Oligonucleotide SE
C 264	11	8.5	12	1	AB178223	Oligonucleotide pr	C 337	11	8.5	13	1	ABC64299	Oligonucleotide SE
C 265	11	8.5	12	1	ABH76346	Oligonucleotide pr	C 338	11	8.5	13	1	ABH01234	Oligonucleotide SE
C 266	11	8.5	12	1	ABH82398	Oligonucleotide pr	C 339	11	8.5	13	1	ABF34289	Oligonucleotide SE
C 267	11	8.5	12	1	AB164510	Oligonucleotide pr	C 340	11	8.5	13	1	ABF59747	Oligonucleotide SE
C 268	11	8.5	12	1	AB134761	Oligonucleotide pr	C 341	11	8.5	13	1	ABH36382	Oligonucleotide SE
C 269	11	8.5	12	1	AB181409	Oligonucleotide pr	C 342	11	8.5	13	1	ABC96933	Oligonucleotide SE
C 270	11	8.5	12	1	AB157934	Oligonucleotide pr	C 343	11	8.5	13	1	ABC26396	Oligonucleotide SE
C 271	11	8.5	12	1	AB115258	Oligonucleotide pr	C 344	11	8.5	13	1	ABC53367	Oligonucleotide SE
C 272	11	8.5	12	1	AB153454	Oligonucleotide pr	C 345	11	8.5	13	1	ABC85187	Oligonucleotide SE
C 273	11	8.5	12	1	ABH88491	Oligonucleotide pr	C 346	11	8.5	13	1	ABC13333	Oligonucleotide SE
C 274	11	8.5	12	1	AB145142	Oligonucleotide pr	C 347	11	8.5	13	1	ABC16448	Oligonucleotide SE
C 275	11	8.5	12	1	AB147820	Oligonucleotide pr	C 348	11	8.5	13	1	ABF38231	Oligonucleotide SE
C 276	11	8.5	13	1	ABC26397	Oligonucleotide SE	C 349	11	8.5	13	1	ABH19277	Oligonucleotide SE
C 277	11	8.5	13	1	ABC16449	Oligonucleotide SE	C 350	11	8.5	13	1	ABF74153	Oligonucleotide SE
C 278	11	8.5	13	1	ABF43214	Oligonucleotide SE	C 351	11	8.5	13	1	ABF59746	Oligonucleotide SE
C 279	11	8.5	13	1	ABF71859	Oligonucleotide SE	C 352	11	8.5	13	1	ABC82262	Oligonucleotide SE
C 280	11	8.5	13	1	ABF43215	Oligonucleotide SE	C 353	11	8.5	13	1	ABF21401	Oligonucleotide SE
C 281	11	8.5	13	1	ABF51884	Oligonucleotide SE	C 354	11	8.5	13	1	ABH19276	Oligonucleotide SE
C 282	11	8.5	13	1	ABH34288	Oligonucleotide SE	C 355	11	8.5	13	1	ABF74152	Oligonucleotide SE
C 283	11	8.5	13	1	ABF59619	Oligonucleotide SE	C 356	11	8.5	13	1	ABH12497	Oligonucleotide SE
C 284	11	8.5	13	1	ABF59620	Oligonucleotide SE	C 357	11	8.5	13	1	ABH16303	Oligonucleotide SE
C 285	11	8.5	13	1	ABH59861	Oligonucleotide SE	C 358	11	8.5	13	1	ABC27528	Oligonucleotide SE
C 286	11	8.5	13	1	ABC00087	Oligonucleotide SE	C 359	11	8.5	13	1	ABC27528	Oligonucleotide SE
C 287	11	8.5	13	1	ABC30738	Oligonucleotide SE	C 360	11	8.5	13	1	ABC85186	Oligonucleotide SE
C 288	11	8.5	13	1	ABC88578	Oligonucleotide SE	C 361	11	8.5	13	1	ABC13332	Oligonucleotide SE
C 289	11	8.5	13	1	ABF21400	Oligonucleotide SE	C 362	11	8.5	13	1	ABC64298	Oligonucleotide SE
C 290	11	8.5	13	1	ABF38230	Oligonucleotide SE	C 363	11	8.5	13	1	ABH17321	Oligonucleotide SE
C 291	11	8.5	13	1	ABF71681	Oligonucleotide SE	C 364	11	8.5	13	1	ABF34023	Oligonucleotide SE
C 292	11	8.5	13	1	ABH22014	Oligonucleotide SE	C 365	11	8.5	13	1	ABF19298	Oligonucleotide SE
C 293	11	8.5	13	1	ABF74985	Oligonucleotide SE	C 366	11	8.5	13	1	ABF45426	Oligonucleotide SE
C 294	11	8.5	13	1	ABH48500	Oligonucleotide SE	C 367	11	8.5	13	1	ABF56090	Oligonucleotide SE
C 295	11	8.5	13	1	ABF39299	Oligonucleotide SE	C 368	11	8.5	13	1	ABH08766	Oligonucleotide SE
C 296	11	8.5	13	1	ABH17529	Oligonucleotide SE	C 369	11	8.5	13	1	ABH08767	Oligonucleotide SE
C 297	11	8.5	13	1	ABF71680	Oligonucleotide SE	C 370	11	8.5	13	1	ABF59618	Oligonucleotide SE
C 298	11	8.5	13	1	ABH59860	Oligonucleotide SE	C 371	11	8.5	13	1	ABH48501	Oligonucleotide SE
C 299	11	8.5	13	1	ABC11447	Oligonucleotide SE	C 372	11	8.5	13	1	ABC39523	Oligonucleotide SE
C 300	11	8.5	13	1	ABH17528	Oligonucleotide SE	C 373	11	8.5	13	1	ABF19738	Oligonucleotide SE
C 301	11	8.5	13	1	ABH12496	Oligonucleotide SE	C 374	11	8.5	13	1	ABF37537	Oligonucleotide SE
C 302	11	8.5	13	1	ABH16302	Oligonucleotide SE	C 375	11	8.5	14	1	ABF78655	Oligonucleotide SE
C 303	11	8.5	13	1	ABC53366	Oligonucleotide SE	C 376	11	8.5	14	1	ABF15253	Oligonucleotide SE
C 304	11	8.5	13	1	ABC39522	Oligonucleotide SE	C 377	11	8.5	15	1	AAA48271	Transcription inhi
C 305	11	8.5	13	1	ABC99522	Oligonucleotide SE	C 378	11	8.5	15	1	AAAD15741	E. coli ompA gene
C 306	11	8.5	13	1	ABH17320	Oligonucleotide SE	C 379	11	8.5	15	1	AAF52311	Human interleukin
C 307	11	8.5	13	1	ABF34330	Oligonucleotide SE	C 380	11	8.5	15	1	AAF52306	TGF-I oligonucleot
C 308	11	8.5	13	1	ABH22015	Oligonucleotide SE	C 381	11	8.5	15	1	ABK23841	TGF-I oligonucleot
C 309	11	8.5	13	1	ABF59621	Oligonucleotide SE	C 382	11	8.5	15	1	ABF70925	E. coli OmpA strom
C 310	11	8.5	13	1	ABF37536	Oligonucleotide SE	C 383	11	8.5	15	1	ABF51906	Molecular antigen
C 311	11	8.5	13	1	ABF74984	Oligonucleotide SE	C 384	11	8.5	15	1	ABA93304	Human ACAA1 gene p
C 312	11	8.5	13	1	ABF51885	Oligonucleotide SE	C 385	11	8.5	15	1	ABQ72858	Human ACMA1 gene p
C 313	11	8.5	13	1	ABH12210	Oligonucleotide SE	C 386	11	8.5	15	1	ABQ72858	Molecular antigen
C 314	11	8.5	13	1	ABC6932	Oligonucleotide SE	C 387	11	8.5	15	1	ABK32803	Human APPBP1 gene,
C 315	11	8.5	13	1	ABC00086	Oligonucleotide SE	C 388	11	8.5	15	1	ABA91820	Escherichia coli o
C 316	11	8.5	13	1	ABF45427	Oligonucleotide SE	C 389	10.8	8.3	14	1	AAV94501	Probe for N-termin
C 317	11	8.5	13	1	ABF50149	Oligonucleotide SE	C 390	10.8	8.3	14	1	AAV49148	rb gene antisense
C 318	11	8.5	13	1	ABH12211	Oligonucleotide SE	C 391	10.8	8.3	14	1	AAZ64860	Substrate for hair
C 319	11	8.5	13	1	ABC27529	Oligonucleotide SE	C 392	10.8	8.3	14	1	AAF57803	Human OPG PCR prim
C 320	11	8.5	13	1	ABC30739	Oligonucleotide SE	C 393	10.8	8.3	14	1	ABX01697	Hepatitis C virus
C 321	11	8.5	13	1	ABF19739	Oligonucleotide SE	C 394	10.8	8.3	14	1	ABX01697	Transcription inhi
C 322	11	8.5	13	1	ABF34331	Oligonucleotide SE	C 395	10.8	8.3	14	1	AAQ08059	High affinity Ige
C 323	11	8.5	13	1	ABF71858	Oligonucleotide SE	C 396	10.8	8.3	15	1	AAQ08059	High affinity Ige
C 324	11	8.5	13	1	ABF78654	Oligonucleotide SE	C 397	10.8	8.3	15	1	AAAT54299	Human IL-5 hammerh
C 325	11	8.5	13	1	ABC82263	Oligonucleotide SE	C 398	10.8	8.3	15	1	AAAT54593	Mouse IL-5 hammerh

399	10.8	8.3	15	1	AA52182	Mouse ICAM hammerh	472	10.4	8.0	12	1	ABI32480	Oligonucleotide pr
400	10.8	8.3	15	1	AA54303	Human IL-5 hammerh	c 473	10.4	8.0	12	1	ABI13971	Oligonucleotide pr
401	10.8	8.3	15	1	AA52438	Mouse ICAM hammerh	c 474	10.4	8.0	12	1	ABI39893	Oligonucleotide pr
402	10.8	8.3	15	1	AAV60860	MAB MCP603 Vh CDR	c 475	10.4	8.0	12	1	ABI171999	Oligonucleotide pr
403	10.8	8.3	15	1	AA331602	Tag sequence of a	c 476	10.4	8.0	12	1	ABI181482	Oligonucleotide pr
404	10.8	8.3	15	1	AA333880	Substrate for hamn	c 477	10.4	8.0	12	1	ABI17816	Oligonucleotide pr
c 405	10.8	8.3	15	1	AA50405	IGF-I oligonucleot	c 478	10.4	8.0	12	1	ABI28415	Oligonucleotide pr
406	10.8	8.3	15	1	AA546530	IGFBP2 oligonucleo	c 479	10.4	8.0	12	1	ABH81514	Oligonucleotide pr
407	10.8	8.3	15	1	AA540409	IGF-I oligonucleot	c 480	10.4	8.0	12	1	ABI35488	Oligonucleotide pr
c 408	10.8	8.3	15	1	AA48106	IGFBP3 oligonucleo	c 481	10.4	8.0	12	1	ABI34383	Oligonucleotide pr
c 409	10.8	8.3	15	1	AA48104	IGFBP3 oligonucleo	c 482	10.4	8.0	12	1	AB144147	Oligonucleotide pr
c 410	10.8	8.3	15	1	AA303919	C. sputigena 16S r	c 483	10.4	8.0	12	1	AB148462	Oligonucleotide pr
c 411	10.8	8.3	15	1	ABL95788	Myeloid progenitor	c 484	10.4	8.0	12	1	AB151498	Oligonucleotide pr
c 412	10.8	8.3	15	1	ABQ96112	Tumour suppression	c 485	10.4	8.0	12	1	AB154828	Oligonucleotide pr
c 413	10.8	8.3	15	1	ABZ34164	HIV-1 reverse tran	c 486	10.4	8.0	12	1	AB171970	Oligonucleotide pr
c 414	10.8	8.3	15	1	ABK32556	Human pancreatic c	c 487	10.4	8.0	12	1	AB161668	Oligonucleotide pr
c 415	10.8	8.3	15	1	ABX00933	Hepatitis C virus	c 488	10.4	8.0	12	1	AB179189	Oligonucleotide pr
c 416	10.8	8.3	15	1	ADD54915	Heavy chain variab	c 489	10.4	8.0	12	1	AB179894	Oligonucleotide pr
c 417	10.8	8.3	20	1	AB194164	Capture oligonucle	c 490	10.4	8.0	12	1	AB181624	Oligonucleotide pr
c 418	10.6	8.2	13	1	ABC66290	Oligonucleotide SE	c 491	10.4	8.0	12	1	AB106676	Oligonucleotide pr
c 419	10.6	8.2	13	1	ABC66291	Oligonucleotide SE	c 492	10.4	8.0	12	1	AB112548	Oligonucleotide pr
c 420	10.6	8.2	13	1	ABC46121	Oligonucleotide SE	c 493	10.4	8.0	12	1	AB138552	Oligonucleotide pr
c 421	10.6	8.2	13	1	ABC46120	Oligonucleotide SE	c 494	10.4	8.0	12	1	AB114031	Oligonucleotide pr
c 422	10.6	8.2	13	1	ABC46125	Oligonucleotide SE	c 495	10.4	8.0	12	1	AB173250	Oligonucleotide pr
c 423	10.6	8.2	13	1	ABC79607	Oligonucleotide SE	c 496	10.4	8.0	12	1	AB162297	Oligonucleotide pr
c 424	10.6	8.2	13	1	ABC79607	Oligonucleotide SE	c 497	10.4	8.0	12	1	AB176736	Oligonucleotide pr
c 425	10.6	8.2	13	1	ABC46124	Oligonucleotide SE	c 498	10.4	8.0	12	1	ABH73027	Oligonucleotide pr
c 426	10.6	8.2	15	1	AAD43620	Human interleukin	c 499	10.4	8.0	12	1	AB123764	Oligonucleotide pr
c 427	10.6	8.2	15	1	AAS99209	Human NAT1 gene al	c 500	10.4	8.0	12	1	AB113974	Oligonucleotide pr
c 428	10.4	8.0	12	1	AA319088	Oligonucleotide 5	c 501	10.4	8.0	12	1	AB152613	Oligonucleotide pr
c 429	10.4	8.0	12	1	AA314803	Triple helix third	c 502	10.4	8.0	12	1	AB158766	Oligonucleotide pr
c 430	10.4	8.0	12	1	AAH21571	Human hyporetin r	c 503	10.4	8.0	12	1	AB173336	Oligonucleotide pr
c 431	10.4	8.0	12	1	ABH98538	Oligonucleotide pr	c 504	10.4	8.0	12	1	AB164784	Oligonucleotide pr
c 432	10.4	8.0	12	1	ABH73682	Oligonucleotide pr	c 505	10.4	8.0	12	1	AB165037	Oligonucleotide pr
c 433	10.4	8.0	12	1	AB127243	Oligonucleotide pr	c 506	10.4	8.0	12	1	AB118232	Oligonucleotide pr
c 434	10.4	8.0	12	1	AB108043	Oligonucleotide pr	c 507	10.4	8.0	12	1	AB118776	Oligonucleotide pr
c 435	10.4	8.0	12	1	AB140085	Oligonucleotide pr	c 508	10.4	8.0	12	1	ABH69518	Oligonucleotide pr
c 436	10.4	8.0	12	1	AB115888	Oligonucleotide pr	c 509	10.4	8.0	12	1	AB120405	Oligonucleotide pr
c 437	10.4	8.0	12	1	AB180168	Oligonucleotide pr	c 510	10.4	8.0	12	1	ABH73642	Oligonucleotide pr
c 438	10.4	8.0	12	1	AB177869	Oligonucleotide pr	c 511	10.4	8.0	12	1	ABH75620	Oligonucleotide pr
c 439	10.4	8.0	12	1	ABH72734	Oligonucleotide pr	c 512	10.4	8.0	12	1	AB101272	Oligonucleotide pr
c 440	10.4	8.0	12	1	ABH74433	Oligonucleotide pr	c 513	10.4	8.0	12	1	AB103056	Oligonucleotide pr
c 441	10.4	8.0	12	1	AB127286	Oligonucleotide pr	c 514	10.4	8.0	12	1	AB109032	Oligonucleotide pr
c 442	10.4	8.0	12	1	AB104840	Oligonucleotide pr	c 515	10.4	8.0	12	1	AB113624	Oligonucleotide pr
c 443	10.4	8.0	12	1	ABH84238	Oligonucleotide pr	c 516	10.4	8.0	12	1	ABH89077	Oligonucleotide pr
c 444	10.4	8.0	12	1	AB113653	Oligonucleotide pr	c 517	10.4	8.0	12	1	AB147818	Oligonucleotide pr
c 445	10.4	8.0	12	1	AB143916	Oligonucleotide pr	c 518	10.4	8.0	12	1	AB168520	Oligonucleotide pr
c 446	10.4	8.0	12	1	AB144860	Oligonucleotide pr	c 519	10.4	8.0	12	1	AB163943	Oligonucleotide pr
c 447	10.4	8.0	12	1	AB152611	Oligonucleotide pr	c 520	10.4	8.0	12	1	ABH96522	Oligonucleotide pr
c 448	10.4	8.0	12	1	AB163322	Oligonucleotide pr	c 521	10.4	8.0	12	1	ABH73290	Oligonucleotide pr
c 449	10.4	8.0	12	1	ABH80028	Oligonucleotide pr	c 522	10.4	8.0	12	1	AB128786	Oligonucleotide pr
c 450	10.4	8.0	12	1	ABH93314	Oligonucleotide pr	c 523	10.4	8.0	12	1	ABH90761	Oligonucleotide pr
c 451	10.4	8.0	12	1	AB131356	Oligonucleotide pr	c 524	10.4	8.0	12	1	AB161920	Oligonucleotide pr
c 452	10.4	8.0	12	1	ABH833408	Oligonucleotide pr	c 525	10.4	8.0	12	1	ABH93286	Oligonucleotide pr
c 453	10.4	8.0	12	1	AB110211	Oligonucleotide pr	c 526	10.4	8.0	12	1	ABH19369	Oligonucleotide pr
c 454	10.4	8.0	12	1	AB136689	Oligonucleotide pr	c 527	10.4	8.0	12	1	ABH98914	Oligonucleotide pr
c 455	10.4	8.0	12	1	AB173097	Oligonucleotide pr	c 528	10.4	8.0	12	1	AB133944	Oligonucleotide pr
c 456	10.4	8.0	12	1	ABH67855	Oligonucleotide pr	c 529	10.4	8.0	12	1	AB110384	Oligonucleotide pr
c 457	10.4	8.0	12	1	ABH96450	Oligonucleotide pr	c 530	10.4	8.0	12	1	ABH86094	Oligonucleotide pr
c 458	10.4	8.0	12	1	ABH76041	Oligonucleotide pr	c 531	10.4	8.0	12	1	AB117053	Oligonucleotide pr
c 459	10.4	8.0	12	1	AB107998	Oligonucleotide pr	c 532	10.4	8.0	12	1	AB117053	Oligonucleotide pr
c 460	10.4	8.0	12	1	ABH84597	Oligonucleotide pr	c 533	10.4	8.0	12	1	AB160800	Oligonucleotide pr
c 461	10.4	8.0	12	1	AB139956	Oligonucleotide pr	c 534	10.4	8.0	12	1	AB166958	Oligonucleotide pr
c 462	10.4	8.0	12	1	AB151762	Oligonucleotide pr	c 535	10.4	8.0	12	1	AB124147	Oligonucleotide pr
c 463	10.4	8.0	12	1	ABH69040	Oligonucleotide pr	c 536	10.4	8.0	12	1	AB106271	Oligonucleotide pr
c 464	10.4	8.0	12	1	AB126667	Oligonucleotide pr	c 537	10.4	8.0	12	1	ABH82783	Oligonucleotide pr
c 465	10.4	8.0	12	1	AB129200	Oligonucleotide pr	c 538	10.4	8.0	12	1	AB149459	Oligonucleotide pr
c 466	10.4	8.0	12	1	ABH86332	Oligonucleotide pr	c 539	10.4	8.0	12	1	AB136243	Oligonucleotide pr
c 467	10.4	8.0	12	1	AB136883	Oligonucleotide pr	c 540	10.4	8.0	12	1	AB149459	Oligonucleotide pr
c 468	10.4	8.0	12	1	ABH88611	Oligonucleotide pr	c 541	10.4	8.0	12	1	AB155515	Oligonucleotide pr
c 469	10.4	8.0	12	1	AB170430	Oligonucleotide pr	c 542	10.4	8.0	12	1	AB158639	Oligonucleotide pr
c 470	10.4	8.0	12	1	AB161441	Oligonucleotide pr	c 543	10.4	8.0	12	1	AB128818	Oligonucleotide pr
c 471	10.4	8.0	12	1	AB121577	Oligonucleotide pr	c 544	10.4	8.0	12	1	AB129487	Oligonucleotide pr

545	10.4	8.0	12	1	ABI06931	Oligonucleotide pr	618	10.4	8.0	13	1	ABH62907	Oligonucleotide SE
C 546	10.4	8.0	12	1	ABI07763	Oligonucleotide pr	619	10.4	8.0	13	1	ABC42353	Oligonucleotide SE
C 547	10.4	8.0	12	1	ABH85134	Oligonucleotide pr	C 620	10.4	8.0	13	1	ABC49447	Oligonucleotide SE
C 548	10.4	8.0	12	1	ABI43344	Oligonucleotide pr	C 621	10.4	8.0	13	1	ABC56660	Oligonucleotide SE
C 549	10.4	8.0	12	1	ABI58629	Oligonucleotide pr	C 622	10.4	8.0	13	1	ABC32975	Oligonucleotide SE
C 550	10.4	8.0	12	1	ABH92743	Oligonucleotide pr	C 623	10.4	8.0	13	1	ABF14032	Oligonucleotide SE
C 551	10.4	8.0	12	1	ABH78008	Oligonucleotide pr	C 624	10.4	8.0	13	1	ABC39559	Oligonucleotide SE
C 552	10.4	8.0	12	1	ABI05936	Oligonucleotide pr	C 625	10.4	8.0	13	1	ABC89794	Oligonucleotide SE
C 553	10.4	8.0	12	1	ABI39001	Oligonucleotide pr	C 626	10.4	8.0	13	1	ABF20333	Oligonucleotide SE
C 554	10.4	8.0	12	1	AAV52629	Hepatocyte nuclear	C 627	10.4	8.0	13	1	ABF22877	Oligonucleotide SE
C 555	10.4	8.0	13	1	ABC42352	Oligonucleotide SE	C 628	10.4	8.0	13	1	ABF37599	Oligonucleotide SE
C 556	10.4	8.0	13	1	ABC48904	Oligonucleotide SE	C 629	10.4	8.0	13	1	ABH20081	Oligonucleotide SE
C 557	10.4	8.0	13	1	ABC52734	Oligonucleotide SE	C 630	10.4	8.0	13	1	ABF97649	Oligonucleotide SE
C 558	10.4	8.0	13	1	ABC79859	Oligonucleotide SE	C 631	10.4	8.0	13	1	ABH23391	Oligonucleotide SE
C 559	10.4	8.0	13	1	ABC56426	Oligonucleotide SE	C 632	10.4	8.0	13	1	ABF49828	Oligonucleotide SE
C 560	10.4	8.0	13	1	ABC11542	Oligonucleotide SE	C 633	10.4	8.0	13	1	ABH00918	Oligonucleotide SE
C 561	10.4	8.0	13	1	ABC11543	Oligonucleotide SE	C 634	10.4	8.0	13	1	ABH27319	Oligonucleotide SE
C 562	10.4	8.0	13	1	ABC89795	Oligonucleotide SE	C 635	10.4	8.0	13	1	ABF82706	Oligonucleotide SE
C 563	10.4	8.0	13	1	ABF22881	Oligonucleotide SE	C 636	10.4	8.0	13	1	ABH36663	Oligonucleotide SE
C 564	10.4	8.0	13	1	ABF38476	Oligonucleotide SE	C 637	10.4	8.0	13	1	ABF86601	Oligonucleotide SE
C 565	10.4	8.0	13	1	ABH17406	Oligonucleotide SE	C 638	10.4	8.0	13	1	ABF91898	Oligonucleotide SE
C 566	10.4	8.0	13	1	ABF93281	Oligonucleotide SE	C 639	10.4	8.0	13	1	ABH45513	Oligonucleotide SE
C 567	10.4	8.0	13	1	ABF72948	Oligonucleotide SE	C 640	10.4	8.0	13	1	ABH59997	Oligonucleotide SE
C 568	10.4	8.0	13	1	ABF50064	Oligonucleotide SE	C 641	10.4	8.0	13	1	ABC48791	Oligonucleotide SE
C 569	10.4	8.0	13	1	ABF91287	Oligonucleotide SE	C 642	10.4	8.0	13	1	ABC01284	Oligonucleotide SE
C 570	10.4	8.0	13	1	ABH45028	Oligonucleotide SE	C 643	10.4	8.0	13	1	ABF01132	Oligonucleotide SE
C 571	10.4	8.0	13	1	ABH50639	Oligonucleotide SE	C 644	10.4	8.0	13	1	ABC03654	Oligonucleotide SE
C 572	10.4	8.0	13	1	ABH52658	Oligonucleotide SE	C 645	10.4	8.0	13	1	ABF15352	Oligonucleotide SE
C 573	10.4	8.0	13	1	ABH59992	Oligonucleotide SE	C 646	10.4	8.0	13	1	ABC91955	Oligonucleotide SE
C 574	10.4	8.0	13	1	ABH59993	Oligonucleotide SE	C 647	10.4	8.0	13	1	ABF19553	Oligonucleotide SE
C 575	10.4	8.0	13	1	ABC42330	Oligonucleotide SE	C 648	10.4	8.0	13	1	ABF20332	Oligonucleotide SE
C 576	10.4	8.0	13	1	ABC95963	Oligonucleotide SE	C 649	10.4	8.0	13	1	ABF32027	Oligonucleotide SE
C 577	10.4	8.0	13	1	ABC27818	Oligonucleotide SE	C 650	10.4	8.0	13	1	ABF36839	Oligonucleotide SE
C 578	10.4	8.0	13	1	ABC79858	Oligonucleotide SE	C 651	10.4	8.0	13	1	ABF38163	Oligonucleotide SE
C 579	10.4	8.0	13	1	ABC10548	Oligonucleotide SE	C 652	10.4	8.0	13	1	ABF93280	Oligonucleotide SE
C 580	10.4	8.0	13	1	ABF10761	Oligonucleotide SE	C 653	10.4	8.0	13	1	ABF44939	Oligonucleotide SE
C 581	10.4	8.0	13	1	ABF38162	Oligonucleotide SE	C 654	10.4	8.0	13	1	ABF46467	Oligonucleotide SE
C 582	10.4	8.0	13	1	ABF42024	Oligonucleotide SE	C 655	10.4	8.0	13	1	ABH22557	Oligonucleotide SE
C 583	10.4	8.0	13	1	ABH17407	Oligonucleotide SE	C 656	10.4	8.0	13	1	ABF49887	Oligonucleotide SE
C 584	10.4	8.0	13	1	ABF44938	Oligonucleotide SE	C 657	10.4	8.0	13	1	ABH41840	Oligonucleotide SE
C 585	10.4	8.0	13	1	ABF45572	Oligonucleotide SE	C 658	10.4	8.0	13	1	ABH16873	Oligonucleotide SE
C 586	10.4	8.0	13	1	ABF46347	Oligonucleotide SE	C 659	10.4	8.0	13	1	ABH58876	Oligonucleotide SE
C 587	10.4	8.0	13	1	ABH32279	Oligonucleotide SE	C 660	10.4	8.0	13	1	ABH63383	Oligonucleotide SE
C 588	10.4	8.0	13	1	ABF82835	Oligonucleotide SE	C 661	10.4	8.0	13	1	ABC01285	Oligonucleotide SE
C 589	10.4	8.0	13	1	ABF60681	Oligonucleotide SE	C 662	10.4	8.0	13	1	ABC01285	Oligonucleotide SE
C 590	10.4	8.0	13	1	ABF62835	Oligonucleotide SE	C 663	10.4	8.0	13	1	ABC27554	Oligonucleotide SE
C 591	10.4	8.0	13	1	ABF65196	Oligonucleotide SE	C 664	10.4	8.0	13	1	ABC77719	Oligonucleotide SE
C 592	10.4	8.0	13	1	ABF65196	Oligonucleotide SE	C 665	10.4	8.0	13	1	ABC03657	Oligonucleotide SE
C 593	10.4	8.0	13	1	ABF90893	Oligonucleotide SE	C 666	10.4	8.0	13	1	ABC03657	Oligonucleotide SE
C 594	10.4	8.0	13	1	ABH16872	Oligonucleotide SE	C 667	10.4	8.0	13	1	ABC41098	Oligonucleotide SE
C 595	10.4	8.0	13	1	ABF91759	Oligonucleotide SE	C 668	10.4	8.0	13	1	ABC91954	Oligonucleotide SE
C 596	10.4	8.0	13	1	ABF91899	Oligonucleotide SE	C 669	10.4	8.0	13	1	ABC91954	Oligonucleotide SE
C 597	10.4	8.0	13	1	ABH59029	Oligonucleotide SE	C 670	10.4	8.0	13	1	ABF70195	Oligonucleotide SE
C 598	10.4	8.0	13	1	ABC49446	Oligonucleotide SE	C 671	10.4	8.0	13	1	ABF70195	Oligonucleotide SE
C 599	10.4	8.0	13	1	ABC75903	Oligonucleotide SE	C 672	10.4	8.0	13	1	ABF71863	Oligonucleotide SE
C 600	10.4	8.0	13	1	ABC06933	Oligonucleotide SE	C 673	10.4	8.0	13	1	ABF47960	Oligonucleotide SE
C 601	10.4	8.0	13	1	ABC81569	Oligonucleotide SE	C 674	10.4	8.0	13	1	ABF98426	Oligonucleotide SE
C 602	10.4	8.0	13	1	ABC56427	Oligonucleotide SE	C 675	10.4	8.0	13	1	ABF50065	Oligonucleotide SE
C 603	10.4	8.0	13	1	ABC36054	Oligonucleotide SE	C 676	10.4	8.0	13	1	ABF51930	Oligonucleotide SE
C 604	10.4	8.0	13	1	ABF12262	Oligonucleotide SE	C 677	10.4	8.0	13	1	ABH28590	Oligonucleotide SE
C 605	10.4	8.0	13	1	ABC15931	Oligonucleotide SE	C 678	10.4	8.0	13	1	ABF53908	Oligonucleotide SE
C 606	10.4	8.0	13	1	ABF37630	Oligonucleotide SE	C 679	10.4	8.0	13	1	ABH07449	Oligonucleotide SE
C 607	10.4	8.0	13	1	ABF39222	Oligonucleotide SE	C 680	10.4	8.0	13	1	ABF58580	Oligonucleotide SE
C 608	10.4	8.0	13	1	ABH20484	Oligonucleotide SE	C 681	10.4	8.0	13	1	ABH14423	Oligonucleotide SE
C 609	10.4	8.0	13	1	ABH22459	Oligonucleotide SE	C 682	10.4	8.0	13	1	ABH60057	Oligonucleotide SE
C 610	10.4	8.0	13	1	ABF97648	Oligonucleotide SE	C 683	10.4	8.0	13	1	ABF01133	Oligonucleotide SE
C 611	10.4	8.0	13	1	ABF00919	Oligonucleotide SE	C 684	10.4	8.0	13	1	ABC62590	Oligonucleotide SE
C 612	10.4	8.0	13	1	ABF53909	Oligonucleotide SE	C 685	10.4	8.0	13	1	ABC40793	Oligonucleotide SE
C 613	10.4	8.0	13	1	ABH05682	Oligonucleotide SE	C 686	10.4	8.0	13	1	ABC40997	Oligonucleotide SE
C 614	10.4	8.0	13	1	ABF88267	Oligonucleotide SE	C 687	10.4	8.0	13	1	ABF17060	Oligonucleotide SE
C 615	10.4	8.0	13	1	ABH45509	Oligonucleotide SE	C 688	10.4	8.0	13	1	ABF26932	Oligonucleotide SE
C 616	10.4	8.0	13	1	ABH52659	Oligonucleotide SE	C 689	10.4	8.0	13	1	ABF20192	Oligonucleotide SE
C 617	10.4	8.0	13	1	ABH52659	Oligonucleotide SE	C 690	10.4	8.0	13	1	ABF97455	Oligonucleotide SE

C 691	10.4	8.0	13	1	ABF72949	Oligonucleotide SE	764	10.4	8.0	13	1	ABF96029	Oligonucleotide SE
C 692	10.4	8.0	13	1	ABF48009	Oligonucleotide SE	765	10.4	8.0	13	1	ABF46346	Oligonucleotide SE
C 693	10.4	8.0	13	1	ABF53540	Oligonucleotide SE	C 766	10.4	8.0	13	1	ABF48006	Oligonucleotide SE
C 694	10.4	8.0	13	1	ABH34871	Oligonucleotide SE	C 767	10.4	8.0	13	1	ABF50697	Oligonucleotide SE
C 695	10.4	8.0	13	1	ABH14442	Oligonucleotide SE	C 768	10.4	8.0	13	1	ABH28163	Oligonucleotide SE
C 696	10.4	8.0	13	1	ABF98805	Oligonucleotide SE	C 769	10.4	8.0	13	1	ABH28234	Oligonucleotide SE
C 697	10.4	8.0	13	1	ABH57680	Oligonucleotide SE	C 770	10.4	8.0	13	1	ABH05683	Oligonucleotide SE
C 698	10.4	8.0	13	1	ABH58877	Oligonucleotide SE	C 771	10.4	8.0	13	1	ABH58581	Oligonucleotide SE
C 699	10.4	8.0	13	1	ABC42351	Oligonucleotide SE	C 772	10.4	8.0	13	1	ABH10208	Oligonucleotide SE
C 700	10.4	8.0	13	1	ABC20168	Oligonucleotide SE	C 773	10.4	8.0	13	1	ABH36662	Oligonucleotide SE
C 701	10.4	8.0	13	1	ABC32536	Oligonucleotide SE	C 774	10.4	8.0	13	1	ABF65710	Oligonucleotide SE
C 702	10.4	8.0	13	1	ABF22880	Oligonucleotide SE	C 775	10.4	8.0	13	1	ABH45508	Oligonucleotide SE
C 703	10.4	8.0	13	1	ABF32026	Oligonucleotide SE	C 776	10.4	8.0	13	1	ABH45512	Oligonucleotide SE
C 704	10.4	8.0	13	1	ABH17366	Oligonucleotide SE	C 777	10.4	8.0	13	1	ABH60297	Oligonucleotide SE
C 705	10.4	8.0	13	1	ABH0080	Oligonucleotide SE	C 778	10.4	8.0	13	1	ABC75902	Oligonucleotide SE
C 706	10.4	8.0	13	1	ABF70734	Oligonucleotide SE	C 779	10.4	8.0	13	1	ABC10328	Oligonucleotide SE
C 707	10.4	8.0	13	1	ABF71862	Oligonucleotide SE	C 780	10.4	8.0	13	1	ABF15147	Oligonucleotide SE
C 708	10.4	8.0	13	1	ABF49829	Oligonucleotide SE	C 781	10.4	8.0	13	1	ABC40792	Oligonucleotide SE
C 709	10.4	8.0	13	1	ABF52801	Oligonucleotide SE	C 782	10.4	8.0	13	1	ABF42025	Oligonucleotide SE
C 710	10.4	8.0	13	1	ABH06975	Oligonucleotide SE	C 783	10.4	8.0	13	1	ABH20485	Oligonucleotide SE
C 711	10.4	8.0	13	1	ABF82707	Oligonucleotide SE	C 784	10.4	8.0	13	1	ABH06974	Oligonucleotide SE
C 712	10.4	8.0	13	1	ABH46550	Oligonucleotide SE	C 785	10.4	8.0	13	1	ABF58576	Oligonucleotide SE
C 713	10.4	8.0	13	1	ABH53510	Oligonucleotide SE	C 786	10.4	8.0	13	1	ABH39437	Oligonucleotide SE
C 714	10.4	8.0	13	1	ABH59028	Oligonucleotide SE	C 787	10.4	8.0	13	1	ABF91758	Oligonucleotide SE
C 715	10.4	8.0	13	1	ABH60056	Oligonucleotide SE	C 788	10.4	8.0	13	1	ABH45029	Oligonucleotide SE
C 716	10.4	8.0	13	1	ABH60296	Oligonucleotide SE	C 789	10.4	8.0	13	1	ABH46551	Oligonucleotide SE
C 717	10.4	8.0	13	1	ABC44405	Oligonucleotide SE	C 790	10.4	8.0	13	1	ABC54061	Oligonucleotide SE
C 718	10.4	8.0	13	1	ABC23453	Oligonucleotide SE	C 791	10.4	8.0	13	1	ABC58194	Oligonucleotide SE
C 719	10.4	8.0	13	1	ABC58965	Oligonucleotide SE	C 792	10.4	8.0	13	1	ABF10672	Oligonucleotide SE
C 720	10.4	8.0	13	1	ABC10760	Oligonucleotide SE	C 793	10.4	8.0	13	1	ABF10673	Oligonucleotide SE
C 721	10.4	8.0	13	1	ABC13614	Oligonucleotide SE	C 794	10.4	8.0	13	1	ABC36055	Oligonucleotide SE
C 722	10.4	8.0	13	1	ABC41099	Oligonucleotide SE	C 795	10.4	8.0	13	1	ABF12263	Oligonucleotide SE
C 723	10.4	8.0	13	1	ABF16369	Oligonucleotide SE	C 796	10.4	8.0	13	1	ABF14033	Oligonucleotide SE
C 724	10.4	8.0	13	1	ABF17059	Oligonucleotide SE	C 797	10.4	8.0	13	1	ABF14033	Oligonucleotide SE
C 725	10.4	8.0	13	1	ABF25130	Oligonucleotide SE	C 798	10.4	8.0	13	1	ABC64526	Oligonucleotide SE
C 726	10.4	8.0	13	1	ABF37831	Oligonucleotide SE	C 799	10.4	8.0	13	1	ABF16368	Oligonucleotide SE
C 727	10.4	8.0	13	1	ABF70638	Oligonucleotide SE	C 800	10.4	8.0	13	1	ABF22876	Oligonucleotide SE
C 728	10.4	8.0	13	1	ABF48007	Oligonucleotide SE	C 801	10.4	8.0	13	1	ABF26933	Oligonucleotide SE
C 729	10.4	8.0	13	1	ABF48008	Oligonucleotide SE	C 802	10.4	8.0	13	1	ABF70735	Oligonucleotide SE
C 730	10.4	8.0	13	1	ABH23902	Oligonucleotide SE	C 803	10.4	8.0	13	1	ABF47961	Oligonucleotide SE
C 731	10.4	8.0	13	1	ABF50206	Oligonucleotide SE	C 804	10.4	8.0	13	1	ABF73477	Oligonucleotide SE
C 732	10.4	8.0	13	1	ABH03122	Oligonucleotide SE	C 805	10.4	8.0	13	1	ABH23903	Oligonucleotide SE
C 733	10.4	8.0	13	1	ABF53541	Oligonucleotide SE	C 806	10.4	8.0	13	1	ABF76217	Oligonucleotide SE
C 734	10.4	8.0	13	1	ABH07448	Oligonucleotide SE	C 807	10.4	8.0	13	1	ABH03123	Oligonucleotide SE
C 735	10.4	8.0	13	1	ABF64204	Oligonucleotide SE	C 808	10.4	8.0	13	1	ABH28591	Oligonucleotide SE
C 736	10.4	8.0	13	1	ABC20169	Oligonucleotide SE	C 809	10.4	8.0	13	1	ABH10209	Oligonucleotide SE
C 737	10.4	8.0	13	1	ABC23452	Oligonucleotide SE	C 810	10.4	8.0	13	1	ABF91360	Oligonucleotide SE
C 738	10.4	8.0	13	1	ABC77718	Oligonucleotide SE	C 811	10.4	8.0	13	1	ABH42633	Oligonucleotide SE
C 739	10.4	8.0	13	1	ABC54060	Oligonucleotide SE	C 812	10.4	8.0	13	1	ABH57681	Oligonucleotide SE
C 740	10.4	8.0	13	1	ABC56661	Oligonucleotide SE	C 813	10.4	8.0	13	1	ABH59996	Oligonucleotide SE
C 741	10.4	8.0	13	1	ABC32537	Oligonucleotide SE	C 814	10.4	8.0	13	1	ABC44404	Oligonucleotide SE
C 742	10.4	8.0	13	1	ABC33430	Oligonucleotide SE	C 815	10.4	8.0	13	1	ABC20113	Oligonucleotide SE
C 743	10.4	8.0	13	1	ABC33431	Oligonucleotide SE	C 816	10.4	8.0	13	1	ABC75271	Oligonucleotide SE
C 744	10.4	8.0	13	1	ABC10549	Oligonucleotide SE	C 817	10.4	8.0	13	1	ABC27819	Oligonucleotide SE
C 745	10.4	8.0	13	1	ABC62591	Oligonucleotide SE	C 818	10.4	8.0	13	1	ABC03270	Oligonucleotide SE
C 746	10.4	8.0	13	1	ABF25131	Oligonucleotide SE	C 819	10.4	8.0	13	1	ABC03655	Oligonucleotide SE
C 747	10.4	8.0	13	1	ABF70194	Oligonucleotide SE	C 820	10.4	8.0	13	1	ABC06932	Oligonucleotide SE
C 748	10.4	8.0	13	1	ABF70839	Oligonucleotide SE	C 821	10.4	8.0	13	1	ABC58195	Oligonucleotide SE
C 749	10.4	8.0	13	1	ABH28239	Oligonucleotide SE	C 822	10.4	8.0	13	1	ABC10329	Oligonucleotide SE
C 750	10.4	8.0	13	1	ABF58577	Oligonucleotide SE	C 823	10.4	8.0	13	1	ABC13615	Oligonucleotide SE
C 751	10.4	8.0	13	1	ABF91361	Oligonucleotide SE	C 824	10.4	8.0	13	1	ABF37598	Oligonucleotide SE
C 752	10.4	8.0	13	1	ABH41841	Oligonucleotide SE	C 825	10.4	8.0	13	1	ABH20193	Oligonucleotide SE
C 753	10.4	8.0	13	1	ABH62906	Oligonucleotide SE	C 826	10.4	8.0	13	1	ABH23390	Oligonucleotide SE
C 754	10.4	8.0	13	1	ABH63382	Oligonucleotide SE	C 827	10.4	8.0	13	1	ABF50207	Oligonucleotide SE
C 755	10.4	8.0	13	1	ABC03650	Oligonucleotide SE	C 828	10.4	8.0	13	1	ABF50696	Oligonucleotide SE
C 756	10.4	8.0	13	1	ABC03656	Oligonucleotide SE	C 829	10.4	8.0	13	1	ABF80956	Oligonucleotide SE
C 757	10.4	8.0	13	1	ABC03657	Oligonucleotide SE	C 830	10.4	8.0	13	1	ABH28238	Oligonucleotide SE
C 758	10.4	8.0	13	1	ABC64527	Oligonucleotide SE	C 831	10.4	8.0	13	1	ABF80957	Oligonucleotide SE
C 759	10.4	8.0	13	1	ABC15930	Oligonucleotide SE	C 832	10.4	8.0	13	1	ABF80957	Oligonucleotide SE
C 760	10.4	8.0	13	1	ABF16837	Oligonucleotide SE	C 833	10.4	8.0	13	1	ABH34870	Oligonucleotide SE
C 761	10.4	8.0	13	1	ABF17061	Oligonucleotide SE	C 834	10.4	8.0	13	1	ABF60680	Oligonucleotide SE
C 762	10.4	8.0	13	1	ABF36838	Oligonucleotide SE	C 835	10.4	8.0	13	1	ABF90892	Oligonucleotide SE
C 763	10.4	8.0	13	1	ABH17367	Oligonucleotide SE	C 836	10.4	8.0	13	1	ABH53511	Oligonucleotide SE

837 10.4 8.0 13 1 ABC20112
838 10.4 8.0 13 1 ABC48790
839 10.4 8.0 13 1 ABC03651
840 10.4 8.0 13 1 ABC81568
841 10.4 8.0 13 1 ABC32974
842 10.4 8.0 13 1 ABC39558
843 10.4 8.0 13 1 ABF15353
844 10.4 8.0 13 1 ABC40996
845 10.4 8.0 13 1 ABF17058
846 10.4 8.0 13 1 ABF19552
847 10.4 8.0 13 1 ABF39223
848 10.4 8.0 13 1 ABF97454
849 10.4 8.0 13 1 ABH22556
850 10.4 8.0 13 1 ABF73476
851 10.4 8.0 13 1 ABF76216
852 10.4 8.0 13 1 ABF51931
853 10.4 8.0 13 1 ABH27318
854 10.4 8.0 13 1 ABF52252
855 10.4 8.0 13 1 ABF52253
856 10.4 8.0 13 1 ABH32278
857 10.4 8.0 13 1 ABF61205
858 10.4 8.0 13 1 ABH13100
859 10.4 8.0 13 1 ABH13101
860 10.4 8.0 13 1 ABF8600
861 10.4 8.0 13 1 ABF89804
862 10.4 8.0 13 1 ABH42632
863 10.4 8.0 13 1 ABH64588
864 10.4 8.0 13 1 ABC48905
865 10.4 8.0 13 1 ABC27555
866 10.4 8.0 13 1 ABC52735
867 10.4 8.0 13 1 ABF15146
868 10.4 8.0 13 1 ABF18636
869 10.4 8.0 13 1 ABF38477
870 10.4 8.0 13 1 ABF45573
871 10.4 8.0 13 1 ABF98427
872 10.4 8.0 13 1 ABF49886
873 10.4 8.0 13 1 ABF52800
874 10.4 8.0 13 1 ABH28162
875 10.4 8.0 13 1 ABF88266
876 10.4 8.0 13 1 ABF65197
877 10.4 8.0 13 1 ABF65711
878 10.4 8.0 13 1 ABF91286
879 10.4 8.0 13 1 ABH50638
880 10.4 8.0 13 1 ABH64589
881 10.4 8.0 13 1 ABX95960
882 10.4 8.0 14 1 AAV92767

ALIGNMENTS

RESULT 1
ID ADC66360/c
XX ADC66360 standard; DNA; 20 BP.
AC ADC66360;
XX
DT 18-DEC-2003 (first entry)
XX
DE Human collapsin response mediator protein 2 gene antisense oligo #138028.
XX
DE neuroprotective; nootropic; neuroleptic; gene therapy;
KW human collapsin response mediator protein 2; neurodegenerative disease;
KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX
OS Synthetic.
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT misc_difference 1..20
FT /tag= b
FT /note= "contains phosphorothioate internucleotide
FT linkages, all cytidine nucleotides are 5-methylcytidine

FT residues"
FT misc_difference 1..5
FT /tag= a
FT /note= "2'-O-methoxyethyl modified nucleotides"
FT
FT misc_difference 16..20
FT /tag= c
FT /note= "2'-O-methoxyethyl modified nucleotides"
XX
XX WO2003040320-A2.
XX
XX 15-MAY-2003.
XX
XX 04-NOV-2002; 2002WO-US035323.
XX
XX 08-NOV-2001; 2001US-00006911.
XX
XX (ISIS-) ISIS PHARM INC.
XX
XX Gaarde WA, Watt AT;
XX
XX WPI; 2003-449447/42.
XX
XX New compound, having a sequence targeted to a nucleic acid encoding human
XX collapsin response mediator protein 2, useful for preparing a composition
XX for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX
XX Example 15; SEQ ID NO 38; 102pp; English.
XX
XX The invention relates to a new compound having a sequence comprising 8-50
XX bp targeted to a nucleic acid encoding human collapsin response mediator
XX protein 2 which specifically hybridizes with the nucleic acid encoding
XX human collapsin response mediator protein 2 and inhibits its expression.
XX The compound is useful for preparing a composition for treating
XX neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
XX schizophrenia. This sequence represents the human collapsin response
XX mediator protein 2 gene intron 1 sequence against which the antisense
XX oligonucleotides may be targeted.
XX
XX Sequence 20 BP; 7 A; 2 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 15.4%; Score 20; DB 1; Length 20;
XX Best Local Similarity 100.0%; Pred. No. 9.9;
XX Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1427 TTCTATGCAGACATATACAT 1446
Db 20 TTCTATGCAGACATATACAT 1
RESULT 2
ADC66359/c
ID ADC66359 standard; DNA; 20 BP.
XX
XX AC ADC66359;
XX
XX 18-DEC-2003 (first entry)
XX
XX DE Human collapsin response mediator protein 2 gene antisense oligo #138027.
XX
XX neuroprotective; nootropic; neuroleptic; gene therapy;
KW human collapsin response mediator protein 2; neurodegenerative disease;
KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX
XX OS Synthetic.
XX OS Homo sapiens.
XX
XX Key Location/Qualifiers
FT misc_difference 1..20
FT /tag= b
FT /note= "contains phosphorothioate internucleotide
FT linkages, all cytidine nucleotides are 5-methylcytidine
FT residues"
FT misc_difference 1..5

```

FT      /*tag= a
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
FT      misc_difference 16. .20
FT      /*tag= c
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
XX      WO2003040320-A2.
XX      15-MAY-2003.
XX      04-NOV-2002; 2002WO-US035323.
XX      08-NOV-2001; 2001US-00006911.
XX      (ISIS-) ISIS PHARM INC.
XX      Gaarde WA, Watt AT;
XX      WPI; 2003-449447/42.
XX      New compound, having a sequence targeted to a nucleic acid encoding human
XX      collapsin response mediator protein 2, useful for preparing a composition
XX      for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX      Claim 3; SEQ ID NO 37; 102pp; English.
XX      The invention relates to a new compound having a sequence comprising 8-50
XX      bp targeted to a nucleic acid encoding human collapsin response mediator
XX      protein 2 which specifically hybridizes with the nucleic acid encoding
XX      human collapsin response mediator protein 2 and inhibits its expression.
XX      The compound is useful for preparing a composition for treating
XX      neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
XX      schizophrenia. This sequence represents the human collapsin response
XX      mediator protein 2 gene intron 1 sequence against which the antisense
XX      oligonucleotides may be targeted.
XX      Sequence 20 BP; 6 A; 4 C; 5 G; 5 T; 0 U; 0 Other;
XX      Query Match 15.4%; Score 20; DB 1; Length 20;
XX      Best Local Similarity 100.0%; Pred. No. 9.9;
XX      Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1377 GCGATCGTCTCTGATCAAA 1396
DB      20 GCGATCGTCTCTGATCAAA 1
RESULT 3
ADC66357/c
ID      ADC66357 standard; DNA; 20 BP.
XX      AC      ADC66357;
XX      DT      18-DEC-2003 (first entry)
XX      DE      Human collapsin response mediator protein 2 gene antisense oligo #138025.
XX      KW      neuroprotective; nootropic; neuroleptic; gene therapy;
XX      KW      human collapsin response mediator protein 2; neurodegenerative disease;
XX      KW      Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX      OS      Synthetic.
XX      OS      Homo sapiens.
XX      Key      Location/Qualifiers
XX      misc_difference 1. .20
XX      /*tag= b
XX      /note= "contains phosphorothioate internucleotide
XX      linkages, all cytidine nucleotides are 5-methylcytidine
XX      residues"
XX      misc_difference 1. .5
XX      /*tag= a
XX      /note= "2'-O-methoxyethyl modified nucleotitides"
XX      /*tag= c

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FT      misc_difference 16. .20
FT      /*tag= c
FT      /note= "2'-O-methoxyethyl modified nucleotitides"
XX      WO2003040320-A2.
XX      15-MAY-2003.
XX      04-NOV-2002; 2002WO-US035323.
XX      08-NOV-2001; 2001US-00006911.
XX      (ISIS-) ISIS PHARM INC.
XX      Gaarde WA, Watt AT;
XX      WPI; 2003-449447/42.
XX      New compound, having a sequence targeted to a nucleic acid encoding human
XX      collapsin response mediator protein 2, useful for preparing a composition
XX      for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX      Claim 3; SEQ ID NO 35; 102pp; English.
XX      The invention relates to a new compound having a sequence comprising 8-50
XX      bp targeted to a nucleic acid encoding human collapsin response mediator
XX      protein 2 which specifically hybridizes with the nucleic acid encoding
XX      human collapsin response mediator protein 2 and inhibits its expression.
XX      The compound is useful for preparing a composition for treating
XX      neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
XX      schizophrenia. This sequence represents the human collapsin response
XX      mediator protein 2 gene intron 1 sequence against which the antisense
XX      oligonucleotides may be targeted.
XX      Sequence 20 BP; 4 A; 2 C; 5 G; 9 T; 0 U; 0 Other;
XX      Query Match 15.4%; Score 20; DB 1; Length 20;
XX      Best Local Similarity 100.0%; Pred. No. 9.9;
XX      Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1353 AGAAAAATATTCACGCATC 1372
DB      20 AGAAAAATATTCACGCATC 1
RESULT 4
ADC66356/c
ID      ADC66356 standard; DNA; 20 BP.
XX      AC      ADC66356;
XX      DT      18-DEC-2003 (first entry)
XX      DE      Human collapsin response mediator protein 2 gene antisense oligo #138024.
XX      KW      neuroprotective; nootropic; neuroleptic; gene therapy;
XX      KW      human collapsin response mediator protein 2; neurodegenerative disease;
XX      KW      Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX      OS      Synthetic.
XX      OS      Homo sapiens.
XX      Key      Location/Qualifiers
XX      misc_difference 1. .20
XX      /*tag= b
XX      /note= "contains phosphorothioate internucleotide
XX      linkages, all cytidine nucleotides are 5-methylcytidine
XX      residues"
XX      misc_difference 1. .5
XX      /*tag= a
XX      /note= "2'-O-methoxyethyl modified nucleotitides"
XX      misc_difference 16. .20
XX      /*tag= c

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FT XX /note= "2'-O-methoxyethyl modified nucleotides"
FN WO2003040320-A2.
XX PD 15-MAY-2003.
XX PF 04-NOV-2002; 2002WO-US035323.
XX PR 08-NOV-2001; 2001US-00006911.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Gaarde WA, Watt AT;
XX PI WPI; 2003-449447/42.
XX DR
XX PT New compound, having a sequence targeted to a nucleic acid encoding human
PT collapsin response mediator protein 2, useful for preparing a composition
PT for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX PS Claim 3; SEQ ID NO 34; 102pp; English.
XX CC The invention relates to a new compound having a sequence comprising 8-50
CC bp targeted to a nucleic acid encoding human collapsin response mediator
CC protein 2 which specifically hybridizes with the nucleic acid encoding
CC human collapsin response mediator protein 2 and inhibits its expression.
CC The compound is useful for preparing a composition for treating
CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC schizophrenia. This sequence represents the human collapsin response
CC mediator protein 2 gene intron 1 sequence against which the antisense
CC oligonucleotides may be targeted.
XX SQ Sequence 20 BP; 4 A; 5 C; 2 G; 9 T; 0 U; 0 Other;
Query Match 15.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 9.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1345 TCAGGGGAGAGAAATATTC 1364
DB 20 TCAGGGGAGAGAAATATTC 1
RESULT 5
ADC66358/c
ID ADC66358 standard; DNA; 20 BP.
XX AC ADC66358;
XX DT 18-DEC-2003 (first entry)
XX DE Human collapsin response mediator protein 2 gene antisense oligo #138026.
XX KW neuroprotective; nootropic; neuroleptic; gene therapy;
XX KW human collapsin response mediator protein 2; neurodegenerative disease;
XX KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX OS Synthetic.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
XX FT misc_difference 1..20
XX FT /tag= b
XX FT /note= "contains phosphorothioate internucleotide
XX FT linkages, all cytidine nucleotides are 5-methylcytidine
XX FT residues"
XX FT misc_difference 1..5
XX FT /tag= a
XX FT /note= "2'-O-methoxyethyl modified nucleotides"
XX FT misc_difference 16..20
XX FT /tag= c
XX FT /note= "2'-O-methoxyethyl modified nucleotides"
XX FN WO2003040320-A2.
XX
PN WO2003040320-A2.
XX PD 15-MAY-2003.
XX PF 04-NOV-2002; 2002WO-US035323.
XX PR 08-NOV-2001; 2001US-00006911.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Gaarde WA, Watt AT;
XX PI WPI; 2003-449447/42.
XX DR
XX PT New compound, having a sequence targeted to a nucleic acid encoding human
PT collapsin response mediator protein 2, useful for preparing a composition
PT for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX PS Claim 3; SEQ ID NO 36; 102pp; English.
XX CC The invention relates to a new compound having a sequence comprising 8-50
CC bp targeted to a nucleic acid encoding human collapsin response mediator
CC protein 2 which specifically hybridizes with the nucleic acid encoding
CC human collapsin response mediator protein 2 and inhibits its expression.
CC The compound is useful for preparing a composition for treating
CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC schizophrenia. This sequence represents the human collapsin response
CC mediator protein 2 gene intron 1 sequence against which the antisense
CC oligonucleotides may be targeted.
XX SQ Sequence 20 BP; 4 A; 3 C; 7 G; 6 T; 0 U; 0 Other;
Query Match 15.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 9.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1359 ATATTCACGCATCAGCAGC 1378
DB 20 ATATTCACGCATCAGCAGC 1
RESULT 6
ADC66361/c
ID ADC66361 standard; DNA; 20 BP.
XX AC ADC66361;
XX DT 18-DEC-2003 (first entry)
XX DE Human collapsin response mediator protein 2 gene antisense oligo #138029.
XX KW neuroprotective; nootropic; neuroleptic; gene therapy;
XX KW human collapsin response mediator protein 2; neurodegenerative disease;
XX KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX OS Synthetic.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
XX FT misc_difference 1..20
XX FT /tag= b
XX FT /note= "contains phosphorothioate internucleotide
XX FT linkages, all cytidine nucleotides are 5-methylcytidine
XX FT residues"
XX FT misc_difference 1..5
XX FT /tag= a
XX FT /note= "2'-O-methoxyethyl modified nucleotides"
XX FT misc_difference 16..20
XX FT /tag= c
XX FT /note= "2'-O-methoxyethyl modified nucleotides"
XX FN WO2003040320-A2.
XX

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PD 15-MAY-2003.
XX
XX
XX PF 04-NOV-2002; 2002MO-US035323.
XX PF
XX PR 08-NOV-2001; 2001US-00006911.
XX PR
XX PR 08-NOV-2001; 2001US-00006911.
XX PR
XX PA (ISIS-) ISIS PHARM INC.
XX PA
XX PI Gaarde WA, Watt AT;
XX PI
XX DR WPI; 2003-449447/42.
XX DR
XX FT New compound, having a sequence targeted to a nucleic acid encoding human
XX FT collapsin response mediator protein 2, useful for preparing a composition
XX FT for treating neurodegenerative disease, e.g., Alzheimer's disease.
XX FT
XX PS Claim 3; SEQ ID NO 39; 102pp; English.
XX PS
XX CC The invention relates to a new compound having a sequence comprising 8-50
XX CC bp targeted to a nucleic acid encoding human collapsin response mediator
XX CC protein 2 which specifically hybridizes with the nucleic acid encoding
XX CC human collapsin response mediator protein 2 and inhibits its expression.
XX CC The compound is useful for preparing a composition for treating
XX CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
XX CC schizophrenia. This sequence represents the human collapsin response
XX CC mediator protein 2 gene intron 1 sequence against which the antisense
XX CC oligonucleotides may be targeted.
XX CC
XX SQ Sequence 20 BP; 5 A; 5 C; 2 G; 8 T; 0 U; 0 Other;
XX
Query Match 15.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 9.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1452 ATGGTTTCATCAAGCAATA 1471
DB 20 ATGGTTTCATCAAGCAATA 1
RESULT 7
ID ADC66362/c
XX ADC66362 standard; DNA; 20 BP.
XX
XX AC ADC66362;
XX
XX DT 18-DEC-2003 (first entry)
XX
XX DE Human collapsin response mediator protein 2 gene antisense oligo #138030.
XX
XX KW neuroprotective; nootropic; neuroleptic; gene therapy;
XX KW human collapsin response mediator protein 2; neurodegenerative disease;
XX KW Alzheimer's disease; Down syndrome; schizophrenia; H-ras; ss; antisense.
XX
XX OS Synthetic.
XX OS Homo sapiens.
XX
XX FH Key Location/Qualifiers
XX misc_difference 1..20
XX /tag= b
XX /note= "contains phosphorothioate internucleotide
XX linkages, all cytidine nucleotides are 5-methylcytidine
XX residues"
XX
XX FT misc_difference 1..5
XX /tag= a
XX /note= "2'-O-methoxyethyl modified nucleotides"
XX
XX FT misc_difference 16..20
XX /tag= c
XX /note= "2'-O-methoxyethyl modified nucleotides"
XX
XX WO2003040320-A2.
XX
XX PD 15-MAY-2003.
XX
PF 04-NOV-2002; 2002MO-US035323.
PR 08-NOV-2001; 2001US-00006911.
PA (ISIS-) ISIS PHARM INC.
PI Gaarde WA, Watt AT;
DR WPI; 2003-449447/42.
FT New compound, having a sequence targeted to a nucleic acid encoding human
FT collapsin response mediator protein 2, useful for preparing a composition
FT for treating neurodegenerative disease, e.g., Alzheimer's disease.
PS Claim 3; SEQ ID NO 39; 102pp; English.
CC The invention relates to a new compound having a sequence comprising 8-50
CC bp targeted to a nucleic acid encoding human collapsin response mediator
CC protein 2 which specifically hybridizes with the nucleic acid encoding
CC human collapsin response mediator protein 2 and inhibits its expression.
CC The compound is useful for preparing a composition for treating
CC neurodegenerative disease, e.g., Alzheimer's disease, Down syndrome or
CC schizophrenia. This sequence represents the human collapsin response
CC mediator protein 2 gene intron 1 sequence against which the antisense
CC oligonucleotides may be targeted.
SQ Sequence 20 BP; 5 A; 5 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 15.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 9.9;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1452 ATGGTTTCATCAAGCAATA 1471
DB 20 ATGGTTTCATCAAGCAATA 1
RESULT 8
ID AAZ20454/c
XX AAZ20454 standard; DNA; 22 BP.
XX
XX AC AAZ20454;
XX
XX DT 19-NOV-1999 (first entry)
XX
XX DE PCR primer Bmag5For for microsatellite marker clone Bmag5.
XX
XX KW PCR primer; microsatellite marker; barley; chromosome 7 marker; cereal;
XX KW fermentability; group 5 chromosome; ethyl carbamate production; Bmac213;
XX KW wort fermentation; Triticaceae; Bmac96; epi-heterodendrin production;
XX KW diagnosis; ss.
XX
XX OS Synthetic.
XX OS Hordeum vulgare.
XX
XX PN WO9946404-A1.
XX
XX PD 16-SEP-1999.
XX
XX PF 01-MAR-1999; 99WO-GB000602.
XX
XX PR 10-MAR-1998; 98GB-00005087.
XX
XX PA (SCCR) SCOTTISH CROP RES INST.
XX
XX PI Thomas WTB, Swanson JS, Powell W, Waugh R, Ramsey LD;
XX WPI; 1999-551424/46.
XX
XX PT Screening cereals for fermentability, especially useful in barley.
XX PS Claim 19; Page 23; 49pp; English.
XX

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CC This sequence represents a PCR primer for a barley chromosome 7
 CC microsatellite marker, and can be used in the method of the invention.
 CC The method is for screening cereal for fermentability, comprising
 CC analysing cereal genomic DNA to determine which allele(s) of a gene/gene
 CC complex affecting fermentability at a locus close to the centromere on
 CC homologous Triticeae group 5 chromosome (barley chromosome 7) is/are
 CC present. The invention also relates to a method for screening cereal for
 CC ethyl carbanate production on wort fermentation and distillation.
 CC comprising analysing barley genomic DNA to determine which allele(s) of
 CC the locus, designated eph on the short arm of homologous Triticeae group
 CC 1 chromosome (barley chromosome 5) is/are present. The methods and
 CC primers are useful for identifying microsatellites Bmac96 and Bmac213,
 CC which are useful for determining fermentability and/or epi-heterodendrin
 CC production in cereals, especially barley. Current methods for determining
 CC fermentability are difficult to apply within barley breeding programs.
 CC Prior art methods using molecular markers have difficulty in detecting
 CC levels of allelic variation
 CC
 CC Sequence 22 BP; 6 A; 3 C; 6 G; 7 T; 0 U; 0 Other;
 CC
 CC Query Match 12.0%; Score 15.6; DB 1; Length 22;
 CC Best Local Similarity 81.8%; Pred. No. 79;
 CC Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 CC
 CC QY 1428 TCTATGCAGACATATACATCGA 1449
 CC Db 22 TCTATGCAGACATATACATCGA 1
 CC
 CC RESULT 9
 CC AAF83488/C
 CC ID AAF83488 standard; DNA; 20 BP.
 CC AC AAF83488;
 CC XX
 CC DT 23-JUL-2001 (first entry)
 CC DE Human ADAM10 mRNA specific antisense oligo ISIS #100751.
 CC XX
 CC KW A disintegrin and metalloproteinase 10; ADAM10; antisense; human; ss;
 CC KW connective tissue disorder; antiinflammatory; hematologic; cytostatic.
 CC XX
 CC OS Homo sapiens.
 CC XX
 CC PN US6228648-B1.
 CC XX
 CC PD 08-MAY-2001.
 CC XX
 CC PF 17-MAR-2000; 2000US-00527154.
 CC XX
 CC PR 17-MAR-2000; 2000US-00527154.
 CC XX
 CC PA (ISIS-) ISIS PHARM INC.
 CC XX
 CC PI Condon TP, Flournoy SC;
 CC XX
 CC PS WPI; 2001-342677/36.
 CC DR
 CC XX
 CC PT New antisense oligonucleotides targeted to nucleic acids encoding A
 CC PT disintegrin and metalloproteinase 10 (ADAM10), useful for treating
 CC PT diseases associated with ADAM10 expression, e.g. inflammation or
 CC PT hematologic malignancies.
 CC XX
 CC Claim 1; Col 41-42; 29pp; English.
 CC PS
 CC XX
 CC CC The invention provides antisense compounds targeted to the nucleic acid
 CC molecule encoding A disintegrin and metalloproteinase 10 (ADAM10). The
 CC antisense compounds specifically hybridize with and inhibit the
 CC expression of ADAM10. The antisense oligonucleotides are useful for
 CC treating or diagnosing an animal, particularly a human, suspected of
 CC having or being prone to a disease or condition associated with
 CC expression of ADAM10, e.g. connective tissue disorders, inflammation or
 CC hematologic malignancies. The antisense oligonucleotides are also useful
 CC
 CC in research applications for the modulation of ADAM10 expression. The
 CC present sequence represents an antisense oligo specific for the human
 CC ADAM10 mRNA
 CC
 CC Sequence 20 BP; 8 A; 4 C; 2 G; 6 T; 0 U; 0 Other;
 CC
 CC Query Match 11.7%; Score 15.2; DB 1; Length 20;
 CC Best Local Similarity 85.0%; Pred. No. 82;
 CC Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 CC
 CC QY 1424 TCGTTTATGCAGACATATA 1443
 CC Db 20 TTGTATATGCAGACATGTA 1
 CC
 CC RESULT 10
 CC ABK85325
 CC ID ABK85325 standard; DNA; 20 BP.
 CC XX
 CC AC ABK85325;
 CC XX
 CC DT 13-AUG-2002 (first entry)
 CC XX
 CC DE Human PTP1B antisense oligonucleotide ISIS 142076.
 CC XX
 CC KW Antisense; protein phosphatase 1B; PTP1B; ss; probe; human;
 CC KW type 2 diabetes; obesity; ovarian cancer; chronic myeloid leukaemia;
 CC KW hyperproliferative disease; antidiabetic; anorectic; cytostatic;
 CC KW blood glucose; gene therapy.
 CC XX
 CC OS Homo sapiens.
 CC XX
 CC PN US2002055479-A1.
 CC XX
 CC PD 09-MAY-2002.
 CC XX
 CC PF 14-MAY-2001; 2001US-00854883.
 CC XX
 CC PR 18-JAN-2000; 2000US-00487368.
 CC PR 31-JUL-2000; 2000US-00629644.
 CC XX
 CC PA (COWS/) COWSERT L M.
 CC PA (WYAT/) WYATT J.
 CC PA (PREI/) PRETER S M.
 CC PA (MONI/) MONIA B P.
 CC PA (BUTL/) BUTLER M M.
 CC PA (MCKA/) MCKAY R.
 CC XX
 CC PI Cowsert LM, Wyatt J, Freier SM, Monia BP, Butler MM, McKay R;
 CC XX
 CC WPI; 2002-462914/49.
 CC XX
 CC PT Compound for inhibiting the expression of protein phosphatase 1B (PTP1B)
 CC PT and for treating diabetes, cancer, or obesity, comprises an antisense
 CC PT oligonucleotide targeted to nucleic acid encoding PTP1B.
 CC XX
 CC PS Claim 3; Page 28; 133pp; English.
 CC XX
 CC CC The invention relates to a compound of 8-50 nucleobases in length
 CC targeted to a nucleic acid encoding protein phosphatase 1B (PTP1B), where
 CC the compound specifically hybridises with and inhibits the expression of
 CC PTP1B (e.g. an antisense oligonucleotide). Also included are (1) a
 CC compound of 8-50 nucleobases in length which specifically hybridises with
 CC an 8 nucleobase portion of an active site on a nucleic acid encoding
 CC PTP1B; (2) inhibiting the expression of PTP1B in cells or tissues
 CC comprising contacting the cells or tissues with the compound; treating an
 CC animal having or suspected of having a disease or condition associated
 CC with PTP1B comprising administering the compound; (4) decreasing blood
 CC sugar levels in an animal comprising administering the compound; (5)
 CC preventing or delaying the onset of a disease or condition associated
 CC with PTP1B in an animal comprising administering the compound; and (6)
 CC preventing or delaying the onset of an increase in blood glucose levels
 CC in an animal comprising administering the compound. The compound is used

CC to inhibit the expression of PTP1B in cells or tissues, to treat or
 CC prevent or delay the onset of a disease or condition associated with
 CC PTP1B, such as type 2 diabetes, obesity, cancer (especially ovarian
 CC cancer, chronic myeloid leukaemia and hyperproliferative diseases in an
 CC animal having or suspected of having the disease or condition, and for
 CC decreasing blood sugar levels or preventing or delaying the onset of an
 CC increase in blood glucose levels in an animal. The compound is also used
 CC in diagnostics, therapeutics, prophylaxis, and in research reagents and
 CC kits. The present sequence is an antisense compound of the invention
 CC targeting human PTP1B

XX
 SQ Sequence 20 BP; 6 A; 3 C; 6 G; 5 T; 0 U; 0 Other;
 Query Match 11.7%; Score 15.2; DB 1; Length 20;
 Best Local Similarity 85.0%; Pred. No. 82;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1435 AGACATATACATGGAAGATG 1454
 |||||
 DB 1 AGCCATGTACTTGGGAAGATG 20

RESULT 11
 ABI94164
 ID ABI94164 standard; DNA; 20 BP.

XX AC ABI94164;

XX DT 16-FEB-2002 (first entry)

XX DE Capture oligonucleotide Zip ID#1251 oligo #9.

XX Human; K-ras; PCR primer; probe; capture probe; mutation detection;
 KW ligase detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease;
 KW infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer;
 KW oncogene; tumour suppressor; human papillomavirus; forensic;
 KW environmental monitoring; food industry; feed industry; ss.

XX OS Synthetic.

XX FN WO200179548-A2.

XX PD 25-OCT-2001.

XX PF 04-APR-2001; 2001WO-US010958.

XX PR 14-APR-2000; 2000US-0197271P.

XX PA (CORR) CORNELL RES FOUND INC.

XX PI Barany F, Zirvi M, Gerry NP, Favis R, Kliman R;

XX DR WPI; 2002-034366/04.

XX Designing capture oligonucleotide probes for use on a support to which
 PT complementary oligonucleotides hybridize with little mismatch.

XX PS Example 5; Fig 29; 300pp; English.

XX The present invention describes a method (M1) for designing capture
 CC oligonucleotide probes (I) for use on a support to which complementary
 CC oligonucleotide probes (II) will hybridize with little mismatch, where
 CC (I) have melting temperatures within a narrow range. The method is useful
 CC for detecting infectious diseases caused by bacterial infectious agents
 CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal
 CC infectious agents e.g. Cryptococcus neoformans, Candida albicans and
 CC Aspergillus fumigatus, viruses e.g. T-cell lymphocytotropic virus,
 CC Epstein-Barr virus and polio virus, and parasitic infectious agents
 CC selected from Onchocerca volvulus, Entamoeba histolytica and Dracunculus
 CC medinis. The method is also useful for detecting genetic diseases such
 CC as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.
 CC Detecting cancer involving oncogenes, tumour suppressor genes, or genes
 CC involved in DNA amplification, replication, recombination or repair, the

CC cancer is specifically associated with a gene selected from BRCA1 gene,
 CC p53 gene, human papillomavirus types 16 and 18 and liver cancers. The
 CC method is also used for environmental monitoring, forensics and the food
 CC and feed industry, detecting comprises scanning (using e.g. a scanning
 CC electron microscope and infrared microscope) the support at the
 CC particular sites and identifying if ligation of the oligonucleotide probe
 CC sets occurred and correlating (using a computer) identified ligation to a
 CC presence or absence of the target nucleotide sequences. ABI92074 to
 CC ABI97546 represent oligonucleotide sequences used in the exemplification
 CC of the present invention

XX SQ Sequence 20 BP; 6 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
 Query Match 11.7%; Score 15.2; DB 1; Length 20;
 Best Local Similarity 85.0%; Pred. No. 82;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1364 CCACGCATCACGACGATCG 1383
 |||||
 DB 1 CCATGCAACACGATCGATCG 20

RESULT 12
 ADC35553/c
 ID ADC35553 standard; DNA; 20 BP.

XX AC ADC35553;

XX DT 18-DEC-2003 (first entry)

XX DE Human CD81/TAPA-1 antisense oligonucleotide #13.

XX Antisense; ss; human; CD81; TAPA-1; tetraspanin; viral infection;
 KW cocaine addiction; autoimmune disorder; antiinflammatory; antibacterial;
 KW virucide; antiparasitic; inflammatory disorder; parasitic infection;
 KW bacterial infection.

XX OS Homo sapiens.

XX FN Key Location/Qualifiers

XX FT modified_base 1..20

XX FT /*tag= b

XX FT /mod_base= OTHER

XX FT /note= "Phosphorothioate backbone and all cytidines are 5

XX FT -methyl cytidines"

XX FT modified_base 1..5

XX FT /*tag= a

XX FT /mod_base= OTHER

XX FT /note= "2'-methoxyethyl nucleotide"

XX FT modified_base 16..20

XX FT /*tag= c

XX FT /mod_base= OTHER

XX FT /note= "2'-methoxyethyl nucleotide"

XX US2003113914-A1.

XX PN 19-JUN-2003.

XX PD 10-DEC-2001; 2001US-00006430.

XX PR 10-DEC-2001; 2001US-00006430.

XX PA (ISIS-) ISIS PHARM INC.

XX PI Graham MJ, Dobie K;

XX WPI; 2003-810907/76.

XX Novel compound hybridizing with nucleic acid molecule encoding CD81 and
 PT inhibiting the expression of CD81, useful for treating infections and
 PT disease associated with expression of CD81 such as inflammation disorder.
 PS Example 15; SEQ ID NO 25; 55pp; English.

XX CC The invention relates to a compound (antisense oligonucleotide)
 CC hybridising with the eighth nucleobase portion of an active site on a
 CC nucleic acid molecule encoding CD81 (also known as TAPA-1, a tetraspanin)
 CC and inhibiting the expression of CD81. Also included is a composition
 CC comprising the antisense oligonucleotide and a carrier or a diluent. The
 CC antisense oligonucleotide is useful for inhibiting the expression of CD81
 CC in cells or tissues. The antisense oligonucleotide is also useful for
 CC treating infections preferably viral, bacterial and parasitic and
 CC diseases such as inflammatory disorders and autoimmune disorders. The
 CC disease or condition is characterised by chemical dependency (e.g.
 CC cocaine addiction). The present sequence is a CD81 antisense
 CC oligonucleotide of the invention.

XX SQ Sequence 20 BP; 8 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
 Query Match 11.7%; Score 15.2; DB 1; Length 20;
 Best Local Similarity 85.0%; Pred. No. 82;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1427 TTCTATCGACATATACAT 1446
 Db 20 TTCTATGAGCATCTACAT 1
 ||||| ||||| ||||| |||||

RESULT 13
 AAQ84976
 ID AAQ84976 standard; DNA; 20 BP.
 XX AC AAQ84976;
 XX DT 25-MAR-2003 (revised)
 DT 12-OCT-1995 (first entry)
 XX DE Putative NFAT binding site from human IL-2 gene (-289 to -270).
 XX KW Nuclear factor of activated T-lymphocytes; NFAT; interleukin 2;
 KW transcriptional regulator; early activation gene; glycoconjugate;
 KW calicheamicin-MG; purine-rich core sequence; immune suppression; ss.
 XX OS Homo sapiens.
 XX PN WO9505389-A1.
 XX PD 23-FEB-1995.
 XX PF 15-AUG-1994; 94WO-US009123.
 XX PR 18-AUG-1993; 93US-00109271.
 XX PA (STRD) UNIV LELAND STANFORD JUNIOR.
 PA (UYVA) UNIV YALE.
 PA (HARD) HARVARD COLLEGE.
 XX PI Ho SN, Schreiber SL, Danishefsky SJ, Crabtree GR;
 XX WPI; 1995-098716/13.
 XX Compn. contg. sequence specific glyco-conjugate DNA ligand - for
 PT modulating gene transcription, e.g. to induce immunosuppression, does not
 PT cause DNA cleavage, also new ligand.
 XX PS Disclosure; Page 24; 85pp; English.

XX CC New glycoconjugates are able to modulate transcriptional activity of
 CC specific genes in eukaryotic cells by selectively inhibiting binding
 CC interactions between DNA-binding proteins and their recognition sites.
 CC Glycoconjugate DNA ligands which preferentially bind to an NFAT
 CC recognition sequence as compared to an APl or Spl sequence are preferred.
 CC Such ligands inhibit NFAT-DNA complex formation or displace pre-formed
 CC complexes and are useful for inducing immune suppression. (Updated on 25-
 CC MAR-2003 to correct PN field.)

SQ Sequence 20 BP; 9 A; 1 C; 6 G; 4 T; 0 U; 0 Other;
 Query Match 11.4%; Score 14.8; DB 1; Length 20;
 Best Local Similarity 88.9%; Pred. No. 97;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAATGTT 1411
 Db 2 AAAGGAGGAAAACTGTT 19
 ||||| ||||| ||||| |||||

RESULT 14
 AAD34038
 ID AAD34038 standard; DNA; 20 BP.
 XX AC AAD34038;
 XX DT 16-JUL-2002 (first entry)
 DT Human NF-AT binding site DNA #3.
 XX DE Human; immunosuppressive; cytoplasmic nuclear factor of activated T cell;
 KW NF-ATC; nuclear translocation; ds.
 XX OS Homo sapiens.
 XX PN US6352830-B1.
 XX PD 05-MAR-2002.
 XX PF 15-JAN-1999; 99US-00232346.
 XX PR 22-AUG-1991; 91US-00749385.
 PR 20-SEP-1993; 93US-00124981.
 PR 18-APR-1994; 94US-00228944.
 PR 13-JUN-1994; 94US-00260174.
 PR 31-JUL-1995; 95US-00507032.
 XX PA (STRD) UNIV LELAND STANFORD JUNIOR.
 XX PI Crabtree GR, Northrop JP, Ho SN, Flanagan WM;
 XX WPI; 2002-314700/35.
 XX PT Identifying immunosuppressive agent comprises contacting cell having
 PT cytoplasmic NF-AT polypeptide with inducer of polypeptide cytoplasmic
 PT translocation, in presence and absence of test agent, and assaying the
 PT translocation.
 XX PS Disclosure; Col 38; 83pp; English.

XX CC The invention relates to a method for identifying an immunosuppressive
 CC agent. The method comprising: contacting a cell containing cytoplasmic
 CC nuclear factor of activated T cell (NF-ATC) polypeptide with a compound
 CC that induces nuclear translocation of the polypeptide; and nuclear
 CC translocation of the NF-ATC is assayed. The method is useful for
 CC identifying an immunosuppressive agent and an immune regulating agent.
 CC The present sequence is human NF-AT binding site DNA

SQ Sequence 20 BP; 9 A; 1 C; 6 G; 4 T; 0 U; 0 Other;
 Query Match 11.4%; Score 14.8; DB 1; Length 20;
 Best Local Similarity 88.9%; Pred. No. 97;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAATGTT 1411
 Db 2 AAAGGAGGAAAACTGTT 19
 ||||| ||||| ||||| |||||

RESULT 15
 ADA66410
 ID ADA66410 standard; DNA; 20 BP.

XX ADB66410;
XX 20-NOV-2003 (first entry)
XX NF-AT DNA binding site #2.
XX ds; human; immunosuppression; NF-ATc; NF-ATn;
KW T lymphocyte activation gene expression; T lymphocyte; T cell neoplasm;
KW T cell hyperfunction; T cell hypofunction; forensic identification.
XX Homo sapiens.
OS
XX
XX
XX US2003049641-A1.
XX
XX PD 13-MAR-2003.
XX
XX PF 07-JAN-2002; 2002US-00040430.
XX
XX PR 22-AUG-1991; 91US-00749385.
XX PR 20-SEP-1993; 93US-00124981.
XX PR 18-APR-1994; 94US-00228944.
XX PR 13-JUN-1994; 94US-00260174.
XX PR 31-JUL-1995; 95US-00507032.
XX PR 15-JAN-1999; 99US-00232346.
XX
XX (CRAB/) CRABTREE G R.
XX (NORT/) NORTHROP J P.
XX (HOSN/) HO S N.
XX (FLAN/) FLANAGAN W M.
XX
XX Crabtree GR, Northrop JP, Ho SN, Flanagan WM;
XX WPI; 2003-615796/58.
XX
XX Identifying an immunosuppressive agent comprises contacting a cell
XX containing or capable of expressing NF-ATc and NF-ATn with one or more
XX compounds that induces nuclear translocation of NF-ATc and NF-ATn.
XX
XX Disclosure; Page 21; 65pp; English.
XX
XX The invention relates to a method of identifying an immunosuppressive
XX agent which comprises contacting a cell containing or capable of
XX expressing NF-ATc and NF-ATn with one or more compounds that induces
XX nuclear translocation of NF-ATc and NF-ATn. The method is useful in
XX determining or controlling the expression of early T lymphocyte
XX activation genes and the expression of selected constitutive genes that
XX can be advantageously expressed in T lymphocytes. Agents that modulate
XX the nuclear import of the cytoplasmic subunit of NF-AT or the induction
XX of the nuclear subunit of NF-AT are useful as immunosuppressant agents.
XX The NF-AT polynucleotides may be used for diagnosing pathological
XX conditions or genetic diseases involving T cell neoplasms or T cell
XX hyperfunction or hypofunction, and conditions or diseases that involve
XX alterations in the structure or abundance of NF-ATc polypeptide,
XX polynucleotide or gene structure, as hybridisation probes or as PCR
XX amplifiers for detecting the presence of NF-ATc mRNA to diagnose a disease
XX and for forensic identification of individuals, e.g. for the
XX identification of descendants, paternity or criminal identification. The
XX present sequence represents an NF-AT DNA binding site.
XX
XX Sequence 20 BP; 9 A; 1 C; 6 G; 4 T; 0 U; 0 Other;
SQ
Query Match 11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAATTTGTT 1411
|||||
Db 2 AAAGGAGGAAAACTGTT 19
|||||
RESULT 16
ADB44698/c

ID ADB44698 standard; DNA; 17 BP.
XX
XX AC ADB44698;
XX
XX DT 18-DEC-2003 (first entry)
XX
XX DE Tumour suppression/reversion associated nucleotide #5021.
XX
XX KW cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
XX OS Homo sapiens.
XX
XX PN WO2003040369-A2.
XX
XX PD 15-MAY-2003.
XX
XX PF 17-SEP-2002; 2002WO-IB004219.
XX
XX PR 17-SEP-2001; 2001FR-00011981.
XX
XX PA (MOLE-) MOLECULAR ENGINES LAB.
XX
XX PI Telerman A, Amson R, Tuijnder M;
XX
XX DR WPI; 2003-441574/41.
XX
XX PT New nucleic acid encoding human prostate membrane-specific antigen,
XX useful e.g. for treatment of tumors and viral infection, also related
XX polypeptide and antibodies.
XX
XX PS Disclosure; Page 619; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
XX fragments of at least 15 consecutive nucleotides of these nucleotides, a
XX sequence having at least 80% identity, after optimal alignment, with the
XX nucleotides, a sequence that hybridizes under stringent conditions with
XX the nucleotides, or the complement, or corresponding RNA, of the
XX nucleotides. The nucleotides are used as probes or primers for detecting,
XX identifying, quantifying and/or amplifying nucleic acids, as in vitro
XX sense and antisense sequences, of nucleotides involved in tumour
XX suppression or reversion, apoptosis and or viral resistance, to produce
XX recombinant polypeptides, and to prepare transgenic animals, as
XX experimental models. The nucleotides (also vectors containing them and
XX cells containing the vectors), the encoded polypeptides and antibodies
XX (Ab) against the polypeptide are useful for prevention and/or treatment
XX of viral infections or diseases characterized by development of tumours
XX or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
XX Analysis of the expression of the nucleotides can be used for diagnosis
XX and/or prognosis of these diseases. The nucleotides and polypeptides can
XX also be used to screen for their specific interactive molecules,
XX potentially useful for treating diseases associated with abnormal
XX expression of the nucleotides.
XX
XX Sequence 17 BP; 7 A; 2 C; 2 G; 6 T; 0 U; 0 Other;
SQ
Query Match 11.1%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 92;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTAATGAT 1417
|||||
Db 17 TAACTTTGTTAATGAT 2
|||||
RESULT 17
AAZ02237
ID AAZ02237 standard; DNA; 20 BP.
XX
XX AC AAZ02237;
XX

```

DT 07-OCT-1999 (first entry)
DE PCR primer used to amplify an ORF of Chlamydia trachomatis.
XX
XX Vaccine; eye disease; conventional trachoma; nonendemic trachoma;
KW paratrachoma; inclusion conjunctivitis; genital disease; perihhepatitis;
KW nongonococcal urethritis; epididymitis; cervicitis; salpingitis; PCR primer;
KW bartholinitis; pneumopathy; venereal lymphogranulomatosis; ss.
XX
OS Synthetic.
OS Chlamydia trachomatis.
XX
XX WO9928475-A2.
XX
XX 10-JUN-1999.
XX
XX 27-NOV-1998; 98WO-IB001939.
XX
XX 28-NOV-1997; 97FR-00015041.
XX
XX 17-DEC-1997; 97FR-00016034.
XX
XX 04-NOV-1998; 98US-0107077P.
XX
XX (GEST ) GENSET.
XX
XX Griffais R;
XX
XX WPI; 1999-371125/31.
XX
XX Genome sequence of Chlamydia trachomatis.
XX
XX Disclosure; Page 1508; 1755pp; English.
XX
XX PCR primers AAZ01426-206209 were used to amplify open reading frames
CC (ORFs) of the genome of Chlamydia trachomatis (see AAZ01425). These ORFs
CC encode polypeptides (see AAY36754-Y37949) which can be used as vaccines
CC against Chlamydia trachomatis. Antisense and ribozyme sequences can also
CC be used to control growth of the microorganism. Chlamydia trachomatis is
CC responsible for a large number of diseases, e.g. eye diseases such as
CC conventional trachoma, nonendemic trachoma, paratrachoma, and inclusion
CC conjunctivitis; genital diseases such as nongonococcal urethritis,
CC epididymitis, cervicitis, salpingitis, perihhepatitis, bartholinitis;
CC pneumopathy in breast feeding infants; and venereal lymphogranulomatosis.
CC The polypeptides of the invention may be of use in treating these
CC diseases
XX
XX Sequence 20 BP; 4 A; 5 C; 7 G; 4 T; 0 U; 0 Other;
SQ Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1385 CTCTGATCAAGAGGTA 1403
Db 1 CTGCTGCTCAAGAGGTA 19
|||||
RESULT 18
AAZ9447/C
ID AAZ94447 standard; DNA; 20 BP.
XX
XX AAZ94447;
XX
XX 13-SEP-1999 (first entry)
XX
XX PCR primer used to amplify an ORF of Chlamydia pneumoniae.
DE Respiratory disease; pneumonia; bronchitis; heart disease; sarcoidosis;
KW sinusitis; purulent otitis media; erythema nodosum; pharyngitis; vaccine;
KW neutralising epitope; PCR primer; ss.
XX
XX Synthetic.
OS Chlamydothila pneumoniae.
XX

PN WO9927105-A2.
XX
XX 03-JUN-1999.
XX
XX 20-NOV-1998; 98WO-IB001890.
XX
XX 21-NOV-1997; 97FR-00014673.
XX
XX 04-NOV-1998; 98US-0107078P.
XX
XX (GEST ) GENSET.
XX
XX Griffais R;
XX
XX WPI; 1999-357842/30.
XX
XX Genome sequence of Chlamydia pneumoniae.
XX
XX Page 1670; Disclosure; 1912pp; English.
XX
XX AAX91991-X97517 represent PCR primers used to amplify open reading frames
CC and other nucleic acid sequences from the genome of Chlamydia pneumoniae
CC (see AAX91990). C. pneumoniae causes respiratory disease such as
CC pneumonia and bronchitis and is thought to be a contributing factor in
CC heart disease, sarcoidosis, sinusitis, purulent otitis media, erythema
CC nodosum or pharyngitis. The polypeptides encoded by the open reading
CC frames of the C. pneumoniae genome (see AAY34584-AAY35879) can be used
CC in immunogenic compositions as vaccines. Vectors containing C. pneumoniae
CC nucleotide sequences can also be used as immunogenic compositions,
CC especially where the vector directs the expression of a neutralising
CC epitope of C. pneumoniae
XX
XX Sequence 20 BP; 3 A; 4 C; 4 G; 9 T; 0 U; 0 Other;
SQ Query Match 10.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCACGCATC 1372
Db 20 GAAAAAATCGACGCATC 2
|||||
RESULT 19
AAA66196
ID AAA66196 standard; DNA; 20 BP.
XX
XX AAA66196;
XX
XX 09-OCT-2000 (first entry)
XX
XX Dog genomic marker oligonucleotide sequence SEQ ID NO:58.
DE Dog; genome; genomic marker; radiation hybrid map; identification;
KW chromosome location; gene marker; polymorphic microsatellite marker;
KW phenotype; behaviour; pedigree; ss.
XX
XX Canis familiaris.
XX
XX WO200029615-A2.
XX
XX 25-MAY-2000.
XX
XX 15-NOV-1999; 99WO-IB001907.
XX
XX 13-NOV-1998; 98US-0108193P.
XX
XX (CNRS ) CNRS CENT NAT RECH SCI.
XX
XX Galibert F, Andre C;
XX
XX WPI; 2000-387821/33.
XX
XX New radiation hybrid map of the dog, Canine familiaris, genome, useful
PT

```

PT for e.g. identifying genes implicated in phenotypic and behavioral traits
 PT or in genetic diseases and for studying dog pedigrees.

XX Claim 1; Page 55; 87pp; English.

XX The present invention describes a radiation hybrid map of the dog (Canine
 CC familiaris) genome comprising the genome location of a marker selected
 CC from AA66139 to AA66942. The radiation hybrid map is useful for
 CC identifying and localising dog genes, since it covers approximately 80 %
 CC of the dog genome and provides a dense map integrating different types
 CC (i.e. Type I and Type II) of markers. The map and the dog genome markers
 CC (or complementary sequences) are especially useful to identify genes
 CC responsible for phenotypic and behavioural traits in dogs, to identify
 CC morbid genes, to analyse diseases and identify implicated genes in such
 CC diseases and their alleles, and to study dog pedigrees. They may also be
 CC useful for isolating corresponding human gene sequences e.g. genes
 CC involved in genetic diseases

XX Sequence 20 BP; 9 A; 2 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 10.9%; Score 14.2; DB 1; Length 20;
 Best Local Similarity 84.2%; Pred. No. 1.3e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1435 AGACATATACATGGAAGAT 1453

Db 2 AGACATGCGAAGGAAGAT 20
 ||||| ||||| |||||

RESULT 20

ABZ93979/c

ID ABZ93979 standard; DNA; 20 BP.

XX AC ABZ93979;

XX DT 17-OCT-2003 (first entry)

XX DE Human oligonucleotide sequence.

XX Human; antisense; lung dysfunction; nasal airway dysfunction;
 KW antiinflammatory steroid; ubiquinone; antiinflammatory; antiasthmatic;
 KW antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy;
 KW antisense gene therapy; respiratory; lung; adenosine sensitivity;
 KW adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
 KW lung inflammation; respiratory disease; ds.

XX OS Homo sapiens.

XX WO200285308-A2.

XX 31-OCT-2002.

XX 23-APR-2002; 2002WO-US013135.

XX 24-APR-2001; 2001US-0286137P.

XX (EPITG-) EPIGENESIS PHARM INC.

XX Nyce JW, Li Y, Sandrasegna A, Katz E, Pabalan J, Aguilar D;
 PI Miller S, Tang L, Shanabuddin S;

XX WPI; 2003-229219/22.

XX Pharmaceutical composition for treating ailments associated with impaired
 PT respiration, has oligo(s) antisense to specific gene(s) or its
 PT corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
 PT ubiquinone.

XX Disclosure; SEQ ID NO 9221; 872pp; English.

XX The invention relates to a novel pharmaceutical composition, which has a
 CC first active agent comprising an oligonucleotide antisense to the
 CC initiation codon, coding region, 5' or 3' end genomic flanking regions,

CC 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of
 CC junctions of genes encoding a polypeptide associated with lung and/or
 CC nasal airway dysfunction and a second active agent comprising an
 CC antiinflammatory steroid and ubiquinone. A composition of the invention
 CC has antiinflammatory, antiasthmatic, antiasthmatic, hypotensive,
 CC immunosuppressive, and cytostatic activity. The composition may have a
 CC use in antisense gene therapy. The composition is useful for treating or
 CC preventing a respiratory, lung or malignant disease or condition, also
 CC for enhancing the prophylactic or therapeutic respiratory effect of an
 CC antiinflammatory steroid in a subject, for reducing or depleting levels
 CC of, or reducing sensitivity to adenosine, reducing levels of adenosine
 CC receptor, producing bronchodilation, increasing levels of ubiquinone or
 CC lung surfactant in a subject's tissue, or treating bronchoconstriction,
 CC lung inflammation, lung allergies, or a respiratory disease or condition.
 CC Note: The sequence data for this patent is not represented in the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 20 BP; 11 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 10.9%; Score 14.2; DB 1; Length 20;

Best Local Similarity 84.2%; Pred. No. 1.3e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1399 AGGTAAATTTGTTAATGAT 1417

Db 19 AGGTAAATTTTATTAT 1
 ||||| ||||| |||||

RESULT 21

ABX04789

ID ABX04789 standard; DNA; 18 BP.

XX AC ABX04789;

XX DT 15-JAN-2003 (first entry)

XX DE Guanylate kinase gene associated oligonucleotide #7.

XX Herpesviridae; thymidine kinase; TK; DRH nucleoside binding region;
 KW viral inhibitor; bacterial inhibitor; parasite inhibitor; tumour;
 KW antireactive immune cell; cancer; hyperkeratosis; psoriasis;
 KW prostate hypertrophy; hyperthyroidism; endocrinopathy; allergy;
 KW autoimmune disease; restenosis; viral disease; AIDS; hepatitis; HCV; HBV;
 KW acquired immunodeficiency syndrome; intracellular parasitic disease;
 KW gene therapy; adenosine deaminase deficiency; Alzheimer's disease; ss;
 KW guanylate kinase.

XX OS Homo sapiens.

XX US6451571-B1.

XX 17-SEP-2002.

XX 17-MAR-1999; 99US-00270956.

XX 02-MAY-1994; 94US-00237592.

XX 02-MAY-1995; 95US-00432871.

XX 02-NOV-1995; 95US-00552304.

XX (UNIV) UNIV WASHINGTON.

XX Loeb LA, Black ME;

XX WPI; 2003-045581/04.

XX Novel Herpesviridae thymidine kinase mutant useful for inhibiting
 PT pathogens e.g. viruses, bacteria, tumor in animals, has one or more
 PT mutations encoding amino acid substitutions upstream from the DRH
 PT nucleoside binding site.

XX Example 9; Col 47; 78pp; English.

CC The invention describes an isolated Herpesviridae thymidine kinase (TK)
CC comprising a 12 amino acid (aa) nucleoside binding region having a site 3
CC made up of a DRH nucleoside binding site and a site 4 and mutation(s), at
CC least one of the mutations being an aa substitution 2 or 3 aa upstream or
CC 5 or more aa downstream from the DRH motif that increases a biological
CC activity, preferably ability of TK to phosphorylate a nucleoside
CC analogue, as compared to unmutated TK. TK mutants are useful for
CC inhibiting a pathogenic agent such as viruses, bacteria, parasites,
CC tumour cells or autoreactive immune cells in a warm-blooded animal. TK
CC mutant is useful for inhibiting a tumour or cancer in a warm-blooded
CC animal, for treating a variety of disease e.g., hyperkeratosis
CC (psoriasis), prostate hypertrophy, hyperthyroidism, endocrinopathies,
CC autoimmune diseases, allergies, restenosis, viral diseases such as
CC acquired immunodeficiency syndrome (AIDS) hepatitis (HCV or HBV),
CC intracellular parasitic diseases, and to correct aberrant expression of a
CC gene within a cell, or to replace a specific gene which is defective in
CC proper expression using gene therapy, e.g. including adenosine deaminase
CC deficiency, and Alzheimer's diseases. The mutants are utilised as a
CC conditionally lethal marker for homologous recombination. This sequence
CC represents an oligonucleotide used in the isolation, purification and
CC characterisation of guanylate kinase
XX
SQ Sequence 18 BP; 6 A; 4 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 10.8%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1409 GTTAATGATGACCA 1422
Db 1 GTTAATGATGACCA 14
|||||

RESULT 22
ABV79885/C
ID ABV79885 standard; DNA; 17 BP.
XX
AC ABV79885;
XX
DT 03-JAN-2003 (first entry)
XX
DE Human HTPL scanning oligonucleotide SEQ ID 1131.
XX
KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
KW human testis expressed Patched like protein; testis; adrenal; liver;
KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
KW prostate; skeletal muscle; colon; male infertility; cancer; ss.
XX
OS Homo sapiens.
XX
PN EP1229046-A2.
XX
PD 07-AUG-2002.
XX
PF 28-JAN-2002; 2002EP-00001167.
XX
PR 30-JAN-2001; 2001WO-US000663.
PR 30-JAN-2001; 2001WO-US000664.
PR 30-JAN-2001; 2001WO-US000665.
PR 30-JAN-2001; 2001WO-US000667.
PR 30-JAN-2001; 2001WO-US000668.
PR 30-JAN-2001; 2001WO-US000669.
PR 23-MAY-2001; 2001US-00864761.
PR 09-OCT-2001; 2001US-0327898P.
XX
PA (ABOM-) ABOMICA INC.
XX
PI Zhan J;
XX
WI 2002-676582/73.
XX
PT Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and

PT for treating subjects having defects in HTPL.
XX
PS Example 2; Page 212; 718pp; English.
XX
CC The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and ABV98519 to ABV98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC therapy and manufacture of a medicament for treatment or prevention of
CC such disorder associated with decreased expression or activity of human
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX
SQ Sequence 17 BP; 4 A; 6 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAATAGG 1473
Db 17 TTGATCGAGCAATGGG 1
|||||

RESULT 23
ABK17908
ID ABK17908 standard; RNA; 17 BP.
XX
AC ABK17908;
XX
DT 09-APR-2002 (first entry)
XX
DE Human ERG hammerhead ribozyme target sequence, Seq ID No 555.
XX
KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulvar; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing; ss;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
ambezyme.
XX
OS Homo sapiens.
XX
PN WO200188124-A2.
XX
PD 22-NOV-2001.
XX
PF 16-MAY-2001; 2001WO-US015866.
XX
PR 16-MAY-2000; 2000US-00572021.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX (GLAX) GLAXO GROUP LTD.
XX
PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
XX WPI; 2002-082995/11.
XX
PT Novel polynucleotide which down regulates expression of Ets-related gene,

PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
PS Claim 4; Page 69; 149pp; English.
XX
XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an ERG-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberosus sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenauay-Weber syndrome, Oster-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg²⁺. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABR17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
XX Sequence 17 BP; 3 A; 3 C; 6 G; 0 T; 5 U; 0 Other;
SQ

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 1.2e+02;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1414 TGATGACGACGCTTCT 1430
DB :|||:|||||:|:::
1 UGAGGACACGCGUUGU 17

RESULT 24
ADE25230/C
ID ADE25230 standard; DNA; 17 BP.
XX
AC ADE25230;
XX
XX 29-JAN-2004 (first entry)
XX
XX Plant growth associated polynucleotide seq id 205.
XX
XX plant growth; plant growth trait modulation; Brassicaceae; Arabidopsis;
XX Brassica; Zea; Oryza; Triticum; Hordeum; Lolium; Sorghum; Glycine;
XX Medicago; Helianthus; Lactuca; Beta; Vitis; Solanum; Lycopersicon;
XX Capsicum; Gossypium; Hevea; Linum; Prunus; Citrus; Populus; Pinus;
XX Quercus; ss.
XX
XX Magnoliophyta.
XX
XX US2003188343-A1.
XX
XX 02-OCT-2003.
XX
XX 07-JAN-2003; 2003US-00338777.
XX
XX 09-JAN-2002; 2002US-0347288P.
XX
XX (LYNX-) LYNX THERAPEUTICS INC.
XX
XX Bowen BA, Haudenschild CD, Buckler ES;
XX
XX WPI; 2003-803305/75.
XX
XX DR

XX New isolated or recombinant polypeptide for use in modulating a plant
PT growth trait in a flowering plant e.g. in Arabidopsis, Brassica, Zea, or
PT Oryza.
XX
XX Example 2; SEQ ID NO 205; 81pp; English.
XX
XX The invention describes an isolated or recombinant polypeptide (I)
CC comprising a sequence: (a) comprising 1 of 30 sequences (S1), as given in
CC the specification, or a conservative variant; (b) encoded by 1 of 30
CC sequences (S2), as given in the specification, or a conservative variant;
CC (c) encoded by a sequence that hybridises under stringent conditions to
CC S2; and (d) encoded by a sequence 70 % identical to S2. The expression or
CC activity of (I) is modulated to modulate a plant growth trait in a
CC flowering plant, of the family Brassicaceae, preferably in a plant that
CC is Arabidopsis, Brassica, Zea, Oryza, Triticum, Hordeum, Lolium, Sorghum,
CC Glycine, Medicago, Helianthus, Lactuca, Beta, Vitis, Solanum,
CC Lycopersicon, Capsicum, Gossypium, Hevea, Linum, Prunus, Citrus, Populus,
CC Pinus, or Quercus. A new method is used to detect genes for a plant
CC growth trait. This sequence represents a polynucleotide isolated from the
CC plant growth associated genes of the invention that can be used as a
CC primer, probe or genetic marker.
XX
XX Sequence 17 BP; 6 A; 5 C; 1 G; 5 T; 0 U; 0 Other;
SQ

Query Match 10.6%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1446 TGGAGATGGGTGATC 1462
DB |||||:|||||:|:::
17 TGGAGATGATTGATC 1

RESULT 25
ACA96828
ID ACA96828 standard; DNA; 18 BP.
XX
XX ACA96828;
XX
XX 24-JUL-2003 (first entry)
XX
XX Human glial cell derived neurotrophic factor (GDNF) PCR primer #22.
XX
XX Human; glial cell derived neurotrophic factor; GDNF; PCR; primer; ss;
XX nervous system disease.
XX
XX Homo sapiens.
XX
XX CN1364812-A.
XX
XX 21-AUG-2002.
XX
XX 11-JAN-2001; 2001CN-00107450.
XX
XX 11-JAN-2001; 2001CN-00107450.
XX
XX (YISH-) YISHENG BIOLOGICAL PHARM CO LTD SHUHA1.
XX
XX Zhou S, Zheng Z, Feng H;
XX
XX WPI; 2003-000523/01.
XX
XX Human glial cell derived neurotrophic factor and its derivatives and use.
XX
XX Claim 6; Page 3 (Claims); 28pp; Chinese.
XX
XX The invention relates to the human glial cell derived neurotrophic factor
CC (GDNF) and its derivatives and use. The invention also relates to a
CC method of obtaining DNA encoding human glial cell derived neurotrophic
CC factor or its active segments and a method of purifying and fining coarse
CC GDNF. A composition comprising human glial cell derived neurotrophic
CC factor and a medicinal acceptable carrier can be used in the treatment of

CC nervous system diseases. Sequences ACA96807-ACA96859 represent PCR
 CC primers used to amplify human GDNF cDNA

XX SQ Sequence 18 BP; 3 A; 3 C; 5 G; 7 T; 0 U; 0 Other;
 Query Match 10.6%; Score 13.8; DB 1; Length 18;
 Best Local Similarity 88.2%; Pred. No. 1.3e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1410 TTAATGATGACCGATCG 1426
 |||||
 Db 2 TTGATGATGACCTGTCG 18

RESULT 26
 ABZ75456
 ID ABZ75456 standard; DNA; 18 BP.
 XX AC ABZ75456;
 XX DT 10-MAY-2003 (first entry)
 XX DE Human EPSTII exon 9 splice donor.
 XX KW Human; epithelial stromal interaction 1; EPSTII; cytostatic; cancer;
 KW gene therapy; metastatic cancer; breast; placenta; lymphoid tissue;
 KW ovary; testis; thymus; lung; stomach; small intestine; colon; pancreas;
 KW spleen; skin; exon; splice acceptor; splice donor; ds.
 XX OS Homo sapiens.
 XX PN WO2003006641-A2.
 XX PD 23-JAN-2003.
 XX PF 09-JUL-2002; 2002WO-DK000478.
 XX PR 09-JUL-2001; 2001DK-00001074.
 XX PR 22-APR-2002; 2002DK-00000601.
 XX PA (UYKO-) UNIV KOENHAVNS.
 XX PI Petersen OW, Nielsen HL, Petersen LR;
 XX WPI; 2003-221745/21.

XX New isolated EPSTII nucleic acid molecule upregulated upon direct
 PT interaction between tumor and stromal cells, useful for the diagnosis and
 PT prognosis of breast, ovarian, lung, stomach, colon, pancreatic, spleen
 PT and skin cancer.
 XX Example 2; Page 40; 75pp; English.
 XX The invention relates to the novel human nucleic acid encoding an
 CC epithelial stromal interaction 1 (EPSTII) polypeptide. The protein of the
 CC invention has cytostatic activity. The polynucleotide may have a use in
 CC gene therapy. The methods and compositions of the present invention
 CC utilising the EPSTII gene are useful for the diagnosis and prognosis of
 CC cancer, in particular metastatic cancer of the breast, placenta, lymphoid
 CC tissue, ovary, testis, thymus, lung, stomach, small intestine, colon,
 CC pancreas, spleen, skin or extracellular body fluids. The oligonucleotides
 CC are used in the treatment of the above. The sequences shown in ABZ75438-
 CC ABZ75457 represent splice donor/acceptor sites at the exon boundaries of
 CC the human EPSTII gene

XX SQ Sequence 18 BP; 8 A; 3 C; 5 G; 2 T; 0 U; 0 Other;
 Query Match 10.6%; Score 13.8; DB 1; Length 18;
 Best Local Similarity 88.2%; Pred. No. 1.3e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1393 CAAAGGAGGTAAATTTG 1409
 |||||

Db 2 CACAGGAGGTAAACTG 18

RESULT 27
 AAA85441
 ID AAA85441 standard; DNA; 19 BP.
 XX AC AAA85441;
 XX DT 04-DEC-2000 (first entry)
 XX DE Cyclin A1 ribozyme binding site #63.
 XX KW Ribozyme; hairpin; hammerhead; gene therapy; vasotropic; restenosis; ss.
 XX OS Mammalia.
 XX PN WO200032765-A2.
 XX PD 08-JUN-2000.
 XX PF 06-DEC-1999; 99WO-US028772.
 XX PR 04-DEC-1998; 98US-0110954P.
 XX PA (IMMU-) IMMUSOL INC.
 XX PI Tritz R, Welch PJ, Barber JR, Robbins JM;
 XX WPI; 2000-412314/35.

XX New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves
 PT RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1,
 PT PCNA and Cyclin B1.
 XX Disclosure; Page 92; 109pp; English.
 XX The present invention relates to a hairpin or hammerhead ribozyme,
 CC designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase
 CC other than cell-cycle dependent kinases CDK1, PCNA and Cyclin B1.
 CC Representative examples of ribozyme recognition sites are given in
 CC AAA82415 to AAA86787. The ribozyme of the invention is useful for
 CC inhibiting restenosis by introduction of the ribozyme into cells. The
 CC ribozyme is resistant to endonuclease activity and hence is efficient in
 CC restenosis treatment

XX SQ Sequence 19 BP; 6 A; 3 C; 4 G; 6 T; 0 U; 0 Other;
 Query Match 10.6%; Score 13.8; DB 1; Length 19;
 Best Local Similarity 88.2%; Pred. No. 1.4e+02;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGAAGA 1452
 |||||
 Db 3 GACATCTACATGGATGA 19

RESULT 28
 AAZ71553/c
 ID AAZ71553 standard; DNA; 19 BP.
 XX AC AAZ71553;
 XX DT 10-SEP-2001 (first entry)
 XX DE Human biallelic marker upstream amplification primer SEQ ID NO:5909.
 XX KW Human genome; biallelic marker; high density disequilibrium map;
 KW genomic map; haplotype; phenotype; polymorphic base; genotyping;
 KW haployping; hybridisation; identification; characterisation;
 KW amplification; single nucleotide polymorphism; SNP; PCR primer;
 KW diagnosis; ss.

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OS Homo sapiens.
XX
XX
XX WO9954500-A2.
XX
XX PD
XX 28-OCT-1999.
XX
XX PF
XX 21-APR-1999; 99WO-IB000822.
XX
XX PR
XX 21-APR-1998; 98US-0082614P.
XX
XX PR
XX 23-NOV-1998; 98US-0109732P.
XX
XX PA (GEST ) GENSET.
XX
XX PI Cohen D, Blumenfeld M, Chumakov I;
XX
XX WPI; 2000-013267/01.
XX
XX PT Novel biallelic markers used to construct a high density disequilibrium
XX map of the human genome.
XX
XX PS Claim 8; Page 1490; 2745pp; English.
XX
XX CC AA265854 to AA269578 represent human biallelic markers from the present
XX invention, which contain a polymorphic base at position 24 of their
XX nucleotide sequences. AA269579 to AA277440 represent amplification
XX primers for the biallelic markers. The biallelic markers of the invention
XX have a variety of uses: they can be used for high density mapping of the
XX human genome, and in complex association studies and haplotyping studies
XX which are useful in determining the genetic basis for disease states.
XX CC Compositions and methods of the invention can also be useful for the
XX identification of the targets for the development of pharmaceutical
XX agents and diagnostic methods, as well as the characterisation of the
XX differential efficacious responses to and side effects from
XX pharmaceutical agents acting on a disease as well as other treatment.
XX CC N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and
XX 3367, are not actually given a sequence in the Sequence Listing from the
XX present invention
XX
XX SQ Sequence 19 BP; 2 A; 3 C; 4 G; 10 T; 0 U; 0 Other;
XX
XX Query Match 10.6%; Score 13.8; DB 1; Length 19;
XX Best Local Similarity 88.2%; Pred. NO. 1.4e+02;
XX Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1354 GAAAAATATTCCACGCA 1370
XX ||||| |||||
XX Db 19 GAAAAATAGTACGCA 3
XX
XX RESULT 29
XX AAH60603
XX ID AAH60603 standard; DNA; 19 BP.
XX
XX AC AAH60603;
XX
XX DT 10-SEP-2001 (first entry)
XX
XX DE Cyclin A1 ribozyme binding site SEQ ID NO:3027.
XX
XX KW Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme;
XX recognition site; target; ribozyme binding site; eye disease; vulnery;
XX proliferative disease; skin disease; psoriasis; diabetic retinopathy;
XX cytokine; inflammation; cell-cycle dependent kinase; cyclin; MMP;
XX matrix metalloproteinase; growth factor; reductase; scarring; cytostatic;
XX antipsoriasis; dermatological; antiseborrheic; antidiabetic; virucide;
XX antiskinking; ophthalmological; keratolytic; gene therapy; viral wart;
XX atopic dermatitis; actinic keratosis; squamous cell carcinoma;
XX basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar;
XX sickle cell retinopathy; ss.
XX
XX OS Homo sapiens.
XX
XX OS Synthetic.
XX

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PN WO200130362-A2.
XX
XX PD 03-MAY-2001.
XX
XX PF 26-OCT-2000; 2000WO-US029500.
XX
XX PR 26-OCT-1999; 99US-0161532P.
XX
XX PA (IMMU-) IMMUSOL INC.
XX
XX PI Robbins JM, Tritz R;
XX
XX WPI; 2001-300427/31.
XX
XX PT Treating proliferative skin or eye diseases and scarring, using ribozymes
XX that cleave RNA encoding cytokines involved in inflammation, matrix
XX metalloproteinases, growth factors and cell-cycle dependent kinases.
XX
XX PS Example 1; Page 292; 408pp; English.
XX
XX CC The present invention describes a method for treating a proliferative
XX skin or eye disease and scarring. The method involves administering a
XX ribozyme (I) which cleaves RNA encoding a cytokine involved in
XX inflammation, matrix metalloproteinase (MMP), cyclin, cell-cycle
XX dependent kinase, growth factor or a reductase, or administering a
XX nucleic acid molecule (II) comprising a promoter operably linked to a
XX nucleic acid segment encoding (I). (I) can have antipsoriasis,
XX dermatological, cytostatic, antiseborrheic, antidiabetic, antiskinking,
XX ophthalmological, vulnery, keratolytic and virucide activities, and
XX cleaves RNA encoding cytokine involved in inflammation. (I) can be used
XX in gene therapy. (I) and (II) are useful for treating proliferative skin
XX diseases such as psoriasis, atopic dermatitis, actinic keratosis,
XX squamous or basal cell carcinoma and viral or seborrheic wart. They can
XX also be used for treating proliferative eye diseases such as diabetic
XX retinopathy, vitreoretinopathy, sickle cell retinopathy, retinopathy of
XX prematurity and retinal detachment, and for treating and preventing
XX scarring such as keloid, adhesion and hypertrophic or hypertrophic burn
XX scar. AAH57577 to AAH62099 represent sequences used in the
XX exemplification of the present invention
XX
XX SQ Sequence 19 BP; 6 A; 3 C; 4 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 10.6%; Score 13.8; DB 1; Length 19;
XX Best Local Similarity 88.2%; Pred. NO. 1.4e+02;
XX Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1436 GACATATACATCGAAGA 1452
XX ||||| ||||| |||||
XX Db 3 GACATCTACATGGATGA 19
XX
XX RESULT 30
XX AAV93431
XX ID AAV93431 standard; RNA; 17 BP.
XX
XX AC AAV93431;
XX
XX DT 18-FEB-1999 (first entry)
XX
XX DE Human B-raf substrate nucleotide position 906.
XX
XX KW Human; C-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
XX target; substrate; catalyst; modulation; expression; Raf gene; delivery;
XX screening; identification; synthesis; deprotection; purification; cancer;
XX inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
XX restenosis; rheumatoid arthritis; ss.
XX
XX OS Homo sapiens.
XX
XX PN WO98050530-A2.
XX
XX PD 12-NOV-1998.
XX

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PF 05-MAY-1998; 98WO-US009249.
XX
PR 09-MAY-1997; 97US-0046059P.
PR 09-JUN-1997; 97US-0049002P.
PR 03-JUL-1997; 97US-0051718P.
PR 22-AUG-1997; 97US-0056808P.
PR 02-OCT-1997; 97US-0061321P.
PR 02-OCT-1997; 97US-0061324P.
PR 05-NOV-1997; 97US-0064866P.
PR 19-DEC-1997; 97US-0068212P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
XX Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;
XX Thompson J, Workman CT, Beaudry A, Sweedler D;
XX
XX WPI; 1999-009494/01.
XX
XX Identifying new catalytic nucleic acid that modulates selected processes
XX - especially ribozymes that cleave Raf RNA for treating cancer,
XX restenosis, and also new ribozymes and modified nucleoside triphosphates
XX used as antiviral agents and synthons.
XX
XX Claim 177; Page 167; 259pp; English.
XX
XX A method has been developed for the identification of a nucleic acid
XX capable of modulating a process in a biological system. The method
XX comprises: (a) introducing into the system a random library of nucleic
XX acid catalysts (NAC) having a substrate binding domain (SBD), comprising
XX a random sequence, and a catalytic domain (CD); and (b) identifying NAC
XX in systems where modulation has occurred and/or determining the sequence
XX of at least part of the SBDs in such systems. Nucleic acid molecules with
XX endonuclease activity and catalytic activity, from the present invention,
XX are used to modulate gene expression in plant and mammalian cells and to
XX cleave target nucleic acid, particularly for treating systemic diseases
XX caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
XX ascites and infection. They may also be used to detect genetic drift and
XX mutations in diseased cells and to determine c-raf RNA. Specifically NACs
XX with RNA-cleaving activity that modulate expression of the Raf gene, are
XX used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
XX generally any condition associated with the level of c-raf. Introduction
XX of sugar/phosphate modifications increases stability against nuclease and
XX activity. AAV90922 to AAV93877 represent NACs that can be used in the
XX method, specifically for modulating the expression of a Raf gene
XX
XX Sequence 17 BP; 6 A; 3 C; 2 G; 0 T; 6 U; 0 Other;
XX
XX Query Match 10.3%; Score 13.4; DB 1; Length 17;
XX Best Local Similarity 60.0%; Pred. No. 1.4e+02;
XX Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1408 TGTTAATGATGACCA 1422
XX :|::||:|:|:|:|
XX 1 UGUUAAUUAUGACCA 15
XX
XX RESULT 31
XX AAV93430
XX ID AAV93430 standard; RNA; 17 BP.
XX
XX AC AAV93430;
XX
XX DT 18-FEB-1999 (first entry)
XX
XX DE Human B-raf substrate nucleotide position 905.
XX
XX XX Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
XX target; substrate; catalyst; modulation; expression; Raf gene; delivery;
XX screening; identification; synthesis; deprotection; purification; cancer;
XX inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
XX restenosis; rheumatoid arthritis; ss.
XX
XX
XX OS Homo sapiens.
XX
XX PN WO9850530-A2.
XX
XX PD 12-NOV-1998.
XX
XX PF 05-MAY-1998; 98WO-US009249.
XX
XX PR 09-MAY-1997; 97US-0046059P.
XX PR 09-JUN-1997; 97US-0049002P.
XX PR 03-JUL-1997; 97US-0051718P.
XX PR 22-AUG-1997; 97US-0056808P.
XX PR 02-OCT-1997; 97US-0061321P.
XX PR 02-OCT-1997; 97US-0061324P.
XX PR 05-NOV-1997; 97US-0064866P.
XX PR 19-DEC-1997; 97US-0068212P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
XX Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;
XX Thompson J, Workman CT, Beaudry A, Sweedler D;
XX
XX WPI; 1999-009494/01.
XX
XX Identifying new catalytic nucleic acid that modulates selected processes
XX - especially ribozymes that cleave Raf RNA for treating cancer,
XX restenosis, and also new ribozymes and modified nucleoside triphosphates
XX used as antiviral agents and synthons.
XX
XX Claim 177; Page 167; 259pp; English.
XX
XX A method has been developed for the identification of a nucleic acid
XX capable of modulating a process in a biological system. The method
XX comprises: (a) introducing into the system a random library of nucleic
XX acid catalysts (NAC) having a substrate binding domain (SBD), comprising
XX a random sequence, and a catalytic domain (CD); and (b) identifying NAC
XX in systems where modulation has occurred and/or determining the sequence
XX of at least part of the SBDs in such systems. Nucleic acid molecules with
XX endonuclease activity and catalytic activity, from the present invention,
XX are used to modulate gene expression in plant and mammalian cells and to
XX cleave target nucleic acid, particularly for treating systemic diseases
XX caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
XX ascites and infection. They may also be used to detect genetic drift and
XX mutations in diseased cells and to determine c-raf RNA. Specifically NACs
XX with RNA-cleaving activity that modulate expression of the Raf gene, are
XX used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
XX generally any condition associated with the level of c-raf. Introduction
XX of sugar/phosphate modifications increases stability against nuclease and
XX activity. AAV90922 to AAV93877 represent NACs that can be used in the
XX method, specifically for modulating the expression of a Raf gene
XX
XX Sequence 17 BP; 6 A; 3 C; 2 G; 0 T; 6 U; 0 Other;
XX
XX Query Match 10.3%; Score 13.4; DB 1; Length 17;
XX Best Local Similarity 60.0%; Pred. No. 1.4e+02;
XX Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1408 TGTTAATGATGACCA 1422
XX :|::||:|:|:|:|
XX 2 UGUUAAUUAUGACCA 16
XX
XX RESULT 32
XX ABK17907
XX ID ABK17907 standard; RNA; 17 BP.
XX
XX AC ABK17907;
XX
XX DT 09-APR-2002 (first entry)
XX
XX DE Human ERG hammerhead ribozyme target sequence, Seq ID No 554.
XX

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DT 31-JAN-2003 (first entry)
XX HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:359.
DE Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
XX probe; ss.
KW Human immunodeficiency virus 1.
XX Synthetic.
OS WO200255741-A2.
XX 18-JUL-2002.
PN 09-JAN-2002; 2002WO-EP000153.
PD 11-JAN-2001; 2001EP-00870005.
XX 20-APR-2001; 2001EP-00870085.
XX 24-APR-2001; 2001US-0286102P.
XX (INNO-) INNOGENETICS NV.
PA De Smet K, Stuyver L;
XX WPI; 2002-590680/63.
PI Detecting mutations associated with anti-HIV drug resistance comprises
DR detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
XX hybridization assay.
PS Claim 2; Page 25; 117pp; English.
XX The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215V/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215V/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 17 BP; 6 A; 2 C; 5 G; 4 T; 0 U; 0 Other;
Query Match 10.3%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1441 ATACATGGAGATGG 1455
DB 3 ATACATGGATGGATGG 17
RESULT 35
AAD56453/c
ID AAD56453 standard; DNA; 17 BP.
XX
XX AAD56453;
XX
XX 07-AUG-2003 (first entry)
XX 2'-F-ANA antisense oligo #8, to elicit RNase H degradation of target RNA.

```

```

XX Acyclic linker; gene expression; gene therapy; ribonuclease; RNase H;
KW antisense; ss.
XX Unidentified.
XX Key Location/Qualifiers
FH 1..2 /tag= a
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 3
FT /tag= b
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinoadenosine"
FT 4
FT /tag= c
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 5
FT /tag= d
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinoadenosine"
FT 6..9
FT /tag= e
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 9..10
FT /tag= f
FT /note= "Bases 9 and 10 are linked by butanediol linker
FT which is represented as B in page 49 and X in page 54 and
FT 64 of the specification"
FT 10
FT /tag= g
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 11
FT /tag= h
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabincytidine"
FT 12..14
FT /tag= i
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabinothymidine"
FT 15..17
FT /tag= j
FT /mod_base= OTHER
FT /note= "2'-deoxy-2'-fluoroarabincytidine"
XX WO2003037909-A1.
XX 08-MAY-2003.
XX 29-OCT-2002; 2002WO-CA001628.
XX 29-OCT-2001; 2001US-0330719P.
XX (UYMC-) UNIV MCGILL.
XX Damha MJ, Viazovkina E, Mangos MM, Parniak MA, Min K;
XX WPI; 2003-421516/39.
XX Novel acyclic linker-containing oligonucleotide useful for preventing or
PT decreasing translation, reverse transcription and/or replication of a
PT target RNA in a system, comprises a modified deoxyribonucleotide.
XX
XX Example 2; Page 49; 104pp; English.
XX The invention relates to an acyclic linker-containing oligonucleotide
CC comprising at least one modified deoxyribonucleotide. Oligonucleotides of
CC the invention are useful for preventing or decreasing translation,
CC reverse transcription and/or replication of a target RNA in a system.

```

CC They are useful for selectively preventing gene expression in a sequence-specific manner, for hybridising to complementary RNA such as cellular mRNA or viral RNA, to hybridise to and induce cleavage of complementary RNA. They are also useful therapeutically in formulations or medicaments CC to prevent or treat a disease characterised by the expression of a particular target RNA. The invention is used in gene therapy. The present CC sequence is an antisense oligo used to elicit human RNase (ribonuclease) CC H degradation of target RNA. This sequence is used in the exemplification CC of the invention

XX SQ Sequence 17 BP; 2 A; 4 C; 0 G; 11 T; 0 U; 0 Other;
 Query Match 10.3%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 1.4e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAATAT 1362
 Db 17 GGGGAAGAAAAATAT 3

RESULT 36
 AAD56443/c
 ID AAD56443 standard; DNA; 17 BP.

XX AC AAD56443;

XX DT 07-AUG-2003 (first entry)

XX DE CAT antisense oligo #2, to elicit RNase H degradation of target RNA.

XX KW Acyclic linker; gene expression; gene therapy; ribonuclease; RNase H;
 XX KW antisense; ss.

XX OS Unidentified.

XX FH Key Location/Qualifiers
 XX FT misc_feature 9..10

XX FT /tag= a
 XX FT /note= "Bases 9 and 10 are linked by a butanediol linker
 XX FT which is represented as B in page 49 and X in page 60,
 XX FT Fig 3 and 4 of the specification"

XX FN WO2003037909-A1.

XX PD 08-MAY-2003.

XX PF 29-OCT-2002; 2002WO-CA001628.

XX PR 29-OCT-2001; 2001US-0330719P.

XX PA (UYMC-) UNIV MCGILL.

XX PI Danha MJ, Viazovkina E, Mangos MM, Parniak MA, Min K;

XX DR WPI; 2003-421516/39.

XX PT Novel acyclic linker-containing oligonucleotide useful for preventing or
 XX PT decreasing translation, reverse transcription and/or replication of a
 XX PT target RNA in a system, comprises a modified deoxyribonucleotide.

XX PS Example 2; Fig 3; 104pp; English.

XX CC The invention relates to an acyclic linker-containing oligonucleotide
 CC comprising at least one modified deoxyribonucleotide. Oligonucleotides of
 CC the invention are useful for preventing or decreasing translation,
 CC reverse transcription and/or replication of a target RNA in a system.
 CC They are useful for selectively preventing gene expression in a sequence-
 CC specific manner, for hybridising to complementary RNA such as cellular
 CC mRNA or viral RNA, to hybridise to and induce cleavage of complementary
 CC RNA. They are also useful therapeutically in formulations or medicaments
 CC to prevent or treat a disease characterised by the expression of a
 CC particular target RNA. The invention is used in gene therapy. The present

CC sequence is an antisense oligo used to elicit human RNase (ribonuclease)
 CC H degradation of target RNA. This sequence is used in the exemplification
 CC of the invention

XX SQ Sequence 17 BP; 2 A; 4 C; 0 G; 11 T; 0 U; 0 Other;
 Query Match 10.3%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 1.4e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAATAT 1362
 Db 17 GGGGAAGAAAAATAT 3

RESULT 37

ABZ34116
 ID ABZ34116 standard; DNA; 18 BP.

XX AC ABZ34116;

XX DT 31-JAN-2003 (first entry)

XX DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:358.

XX KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
 XX KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
 XX KW probe; ss.

XX OS Human immunodeficiency virus 1.
 XX OS Synthetic.

XX PN WO200255741-A2.

XX PD 18-JUL-2002.

XX PF 09-JAN-2002; 2002WO-EP000153.

XX PR 11-JAN-2001; 2001EP-00870005.

XX PR 20-APR-2001; 2001EP-00870085.

XX PR 24-APR-2001; 2001US-0286102P.

XX PA (INNO-) INNOGENETICS NV.

XX PI De Smet K, Stuyver L;

XX DR WPI; 2002-590680/63.

XX PT Detecting mutations associated with anti-HIV drug resistance comprises
 XX PT detecting at least one of the mutations in the HIV reverse transcriptase
 XX PT gene by using probes optimized to function together in a reverse-
 XX PT hybridization assay.

XX PS Claim 2; Page 25; 117pp; English.

XX CC The present invention describes a method for detecting mutations
 CC associated with anti-HIV drug resistance in a patient by detecting at
 CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
 CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
 CC of HIV strains in a biological sample using a specific set of probes
 CC optimised to function together in a reverse-hybridisation assay. The
 CC method and the nucleic acid sequences used in the method are useful for
 CC determining viral mutations and/or polymorphisms in the HIV RT gene
 CC associated with resistance. The probes are useful for the genetic
 CC detection, preferably in vitro detection of the mutations K103N/R,
 CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
 CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
 CC mutation is associated with anti-HIV drug resistance. The method provides
 CC a rapid, reliable and precise assay or determination and monitoring of
 CC antiviral drug resistance or mutations associated with drug resistance of
 CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
 CC sequences and probes which are used in the exemplification of the present
 CC invention


```

AAZ18050
ID AAZ18050 standard; DNA; 18 BP.
XX
AC AAZ18050;
XX
DT 11-OCT-1999 (first entry)
XX
DE CNX embryonic gene OTX b specific primer.
XX
KW Genetic proximity; gene expression; cell characterisation; homeobox gene;
KW genetic defect; reverse transcriptase polymerase chain reaction; RT-PCR;
KW kinase gene; protein phosphatase; P450; steroid receptor; cadherin;
KW primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
FN WO9934016-A2.
XX
PD 08-JUL-1999.
XX
PF 28-DEC-1998; 98WO-IL000625.
XX
PR 29-DEC-1997; 97IL-00122793.
PR 16-OCT-1998; 98IL-00126627.
XX
PA (GENE-) GENENA LTD.
XX
PI Vidar B;
XX
DR WPI; 1999-419113/35.
XX
PT Identifying and characterizing cells by comparing the pattern of gene
PT expression in a selected gene family.
XX
PS Claim 4; Page 39; 102pp; English.
XX
CC The invention provides a new method for identifying and characterising
CC cells. The method for determining the genetic proximity of a first cell
CC and a second cell comprises: (a) obtaining the first cell and the second
CC cell; (b) determining in the first cell and the second cell the pattern
CC of expression of genes in a selected gene family; and (c) calculating a
CC proximity index using a specified formula. The methods can be used for
CC characterising cells, e.g. for determining the origin of a cell, its
CC genetic status, whether it carries a genetic defect, or whether it is
CC an individual, e.g. a fetus. They can also be used for determining the
CC effect of a selected treatment on a test cell. They can also be used for
CC obtaining cells capable of expressing a homeobox related desired
CC property. The method uses reverse transcriptase polymerase chain reaction
CC (RT-PCR) for determining the pattern of gene expression in a selected
CC gene family. Sequences AAZ17803-218342 represent primers that can be used
CC in the RT-PCR reactions to determine the pattern of gene expression. The
CC gene family can be selected from a set of homeobox genes, kinase genes,
CC protein phosphatase genes, P450 enzyme genes, steroid receptor
CC superfamily genes or cadherin superfamily genes
XX
SQ Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1430 TATCGGACATATATCATG 1447
Db 1 TATCGGACATATATCATG 18
|||||
RESULT 41
AAZ17882
ID AAZ17882 standard; DNA; 18 BP.
XX
AC AAZ17882;
XX
DT 11-OCT-1999 (first entry)
XX
DE CNX embryonic gene OTX a specific primer.
XX
KW Genetic proximity; gene expression; cell characterisation; homeobox gene;
KW genetic defect; reverse transcriptase polymerase chain reaction; RT-PCR;
KW kinase gene; protein phosphatase; P450; steroid receptor; cadherin;
KW primer; ss.
XX
OS Synthetic.
OS Homo sapiens.
XX
FN WO9934016-A2.
XX
PD 08-JUL-1999.
XX
PF 28-DEC-1998; 98WO-IL000625.
XX
PR 29-DEC-1997; 97IL-00122793.
PR 16-OCT-1998; 98IL-00126627.
XX
PA (GENE-) GENENA LTD.
XX
PI Vidar B;
XX
DR WPI; 1999-419113/35.
XX
PT Identifying and characterizing cells by comparing the pattern of gene
PT expression in a selected gene family.
XX
PS Claim 4; Page 39; 102pp; English.
XX
CC The invention provides a new method for identifying and characterising
CC cells. The method for determining the genetic proximity of a first cell
CC and a second cell comprises: (a) obtaining the first cell and the second
CC cell; (b) determining in the first cell and the second cell the pattern
CC of expression of genes in a selected gene family; and (c) calculating a
CC proximity index using a specified formula. The methods can be used for
CC characterising cells, e.g. for determining the origin of a cell, its
CC genetic status, whether it carries a genetic defect, or whether it is
CC an individual, e.g. a fetus. They can also be used for determining the
CC effect of a selected treatment on a test cell. They can also be used for
CC obtaining cells capable of expressing an homeobox related desired
CC property. The method uses reverse transcriptase polymerase chain reaction
CC (RT-PCR) for determining the pattern of gene expression in a selected
CC gene family. Sequences AAZ17803-218342 represent primers that can be used
CC in the RT-PCR reactions to determine the pattern of gene expression. The
CC gene family can be selected from a set of homeobox genes, kinase genes,
CC protein phosphatase genes, P450 enzyme genes, steroid receptor
CC superfamily genes or cadherin superfamily genes
XX
SQ Sequence 18 BP; 5 A; 4 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1430 TATCGGACATATATCATG 1447
Db 1 TATCGGACATATATCATG 18
|||||
RESULT 42
AAZ18048
ID AAZ18048 standard; DNA; 18 BP.
XX
AC AAZ18048;
XX
DT 11-OCT-1999 (first entry)
XX
DE CNX embryonic gene OTX a specific primer.
XX

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XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 237046; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX Query Match 10.0%; Score 13; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 1.2e+02;
XX Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGATG 1
RESULT 45
ABF73483
ID ABF73483 standard; DNA; 13 BP.
XX AC ABF73483;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173480 for detecting SNP TSC0043213.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 173480; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
XX Query Match 10.0%; Score 13; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 1.2e+02;
XX Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1356 AAAATATTCACG 1368
Db 1 AAAATATTCACG 13
RESULT 46
ABF73482/C
ID ABF73482 standard; DNA; 13 BP.
XX AC ABF73482;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 173479 for detecting SNP TSC0043213.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 173479; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

```

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

CC Sequence 13 BP; 3 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368

Db 13 AAAATATTCACG 1

RESULT 47

ABH37068

ID ABH37068 standard; DNA; 13 BP.

XX

AC ABH37068;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 237045 for detecting SNP TSC0057828.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

XX

Claim 1; SEQ ID NO 237045; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

CC Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418

Db 1 ATTGTTAATGATG 13

RESULT 48

AAF03083/C

ID AAF03083 standard; DNA; 17 BP.

XX

AC AAF03083;

XX

DT 16-FEB-2001 (first entry)

XX

DE Hammerhead ribozyme substrate #1378.

XX

Ribozyme; erythropoietin; granulocyte colony stimulating factor;

KW interferon alpha; ss.

XX

OS Homo sapiens.

XX

PN WO200061729-A2.

XX

PD 19-OCT-2000.

XX

PF 11-APR-2000; 2000WO-US009721.

XX

PR 12-APR-1999; 99US-0129390P.

XX

PA (RIBO-) RIBOZYME PHARM INC.

XX

PI Blatt L, Zwick M, Pavco P, Meswiggen J;

XX

DR WPI; 2000-647423/62.

XX

PT Enzymatic and antisense nucleic acid inhibition of repressor genes,

useful for producing e.g. granulocyte colony stimulating factor protein,

interferon alpha and erythropoietin.

XX

PS Claim 37; Page 87; 164pp; English.

XX

The present invention relates to enzymatic and antisense nucleic acid
molecules that act as inhibitors of the expression of repressor genes
encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
factor gene, IRF-2 and/or the CAAT Displacement protein (CDP).
Inhibition of the repressors removes prevents inhibition (and
consequently increases expression of) genes involved in the production of
erythropoietin, granulocyte colony stimulating factor protein and
interferon alpha

XX

SQ Sequence 17 BP; 3 A; 3 C; 1 G; 10 T; 0 U; 0 Other;

Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAATAT 1362

Db 13 GGAAGAAAATAT 1

RESULT 49

AAF03082/C

ID AAF03082 standard; DNA; 17 BP.

XX

AC AAF03082;

XX

DT 16-FEB-2001 (first entry)

XX

DE Hammerhead ribozyme substrate #1377.

XX

Ribozyme; erythropoietin; granulocyte colony stimulating factor;

KW interferon alpha; ss.

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAATAT 1362
 Db 17 GGAAGAAAATAT 5
 |||||
 |||||

RESULT 52
 AAF03080/c
 ID AAF03080 standard; DNA; 17 BP.
 XX AC AAF03080;
 XX AC AAF03080;
 DT 16-FEB-2001 (first entry)
 XX DE Hammerhead ribozyme substrate #1375.
 XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
 KW interferon alpha; ss.
 XX OS Homo sapiens.
 XX WO200061729-A2.
 XX PD 19-OCT-2000.
 XX PF 11-APR-2000; 2000WO-US009721.
 XX PR 12-APR-1999; 99US-0129390P.
 XX PA (RIBO-) RIBOZYME PHARM INC.
 XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
 XX WPI; 2000-647423/62.
 XX CC The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-IF-1, the GATA transcription factor gene, IRF-2 and/or the CCAAT Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoietin, granulocyte colony stimulating factor protein and interferon alpha

QY 1350 GGAAGAAAATAT 1362
 Db 16 GGAAGAAAATAT 4
 |||||
 |||||

RESULT 53
 AAF03085/c
 ID AAF03085 standard; DNA; 17 BP.
 XX AC AAF03085;
 XX AC AAF03085;
 DT 16-FEB-2001 (first entry)
 XX DE Hammerhead ribozyme substrate #1380.
 XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;

Query Match 10.0%; Score 13; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAATAT 1362
 Db 16 GGAAGAAAATAT 4
 |||||
 |||||

RESULT 52
 AAF03080/c
 ID AAF03080 standard; DNA; 17 BP.
 XX AC AAF03080;
 XX AC AAF03080;
 DT 16-FEB-2001 (first entry)
 XX DE Hammerhead ribozyme substrate #1375.
 XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
 KW interferon alpha; ss.
 XX OS Homo sapiens.
 XX WO200061729-A2.
 XX PD 19-OCT-2000.
 XX PF 11-APR-2000; 2000WO-US009721.
 XX PR 12-APR-1999; 99US-0129390P.
 XX PA (RIBO-) RIBOZYME PHARM INC.
 XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
 XX WPI; 2000-647423/62.
 XX CC The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-IF-1, the GATA transcription factor gene, IRF-2 and/or the CCAAT Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoietin, granulocyte colony stimulating factor protein and interferon alpha

QY 1350 GGAAGAAAATAT 1362
 Db 16 GGAAGAAAATAT 4
 |||||
 |||||

RESULT 53
 AAF03085/c
 ID AAF03085 standard; DNA; 17 BP.
 XX AC AAF03085;
 XX AC AAF03085;
 DT 16-FEB-2001 (first entry)
 XX DE Hammerhead ribozyme substrate #1380.
 XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;

KW interferon alpha; ss.
 XX OS Homo sapiens.
 XX WO200061729-A2.
 XX PD 19-OCT-2000.
 XX PF 11-APR-2000; 2000WO-US009721.
 XX PR 12-APR-1999; 99US-0129390P.
 XX PA (RIBO-) RIBOZYME PHARM INC.
 XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
 XX WPI; 2000-647423/62.
 XX CC Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
 XX Claim 37; Page 87; 164pp; English.
 XX CC The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-IF-1, the GATA transcription factor gene, IRF-2 and/or the CCAAT Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoietin, granulocyte colony stimulating factor protein and interferon alpha

QY 1440 TATACATGAAGA 1452
 Db 17 TATACATGAAGA 5
 |||||
 |||||

RESULT 54
 ACC51406
 ID ACC51406 standard; DNA; 17 BP.
 XX AC ACC51406;
 XX AC ACC51406;
 DT 27-JUN-2003 (first entry)
 XX DE Human tumour suppressor sequence #173.
 XX KW ss; tumour suppressor; antitumour; cytostatic; tumour suppression;
 KW tumour regression; apoptosis; virus resistance; diagnosis;
 KW cellular degeneration.
 XX OS Homo sapiens.
 XX PN PR2826373-A1.
 XX PD 27-DEC-2002.
 XX PF 20-JUN-2001; 2001FR-00008139.
 XX PR 20-JUN-2001; 2001FR-00008139.
 XX PA (MOLE-) MOLECULAR ENGINES LAB SA.
 XX PI Tuijnder M, Telerman A, Anson R;
 XX WPI; 2003-250498/25.

Query Match 10.0%; Score 13; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1440 TATACATGAAGA 1452
 Db 17 TATACATGAAGA 5
 |||||
 |||||

RESULT 54
 ACC51406
 ID ACC51406 standard; DNA; 17 BP.
 XX AC ACC51406;
 XX AC ACC51406;
 DT 27-JUN-2003 (first entry)
 XX DE Human tumour suppressor sequence #173.
 XX KW ss; tumour suppressor; antitumour; cytostatic; tumour suppression;
 KW tumour regression; apoptosis; virus resistance; diagnosis;
 KW cellular degeneration.
 XX OS Homo sapiens.
 XX PN PR2826373-A1.
 XX PD 27-DEC-2002.
 XX PF 20-JUN-2001; 2001FR-00008139.
 XX PR 20-JUN-2001; 2001FR-00008139.
 XX PA (MOLE-) MOLECULAR ENGINES LAB SA.
 XX PI Tuijnder M, Telerman A, Anson R;
 XX WPI; 2003-250498/25.

XX New nucleic acid sequences associated with tumor suppression, regression,
PT apoptosis or virus resistance are useful to diagnose and treat viral
PT disease, development of tumor cells and cell degeneration.
XX PS
XX Claim 1; Page 80; 798pp; French.
XX
XX This sequence represents an isolated nucleic acid sequence associated
CC with tumour suppression or regression, apoptosis or virus resistance. The
CC invention relates to these sequences or sequences having at least 80%
CC identity to them, and polypeptides encoded by the sequences or
CC polypeptides having 80% identity to the polypeptide sequences. The
CC invention is used to diagnose or treat viral disease or disease
CC characterized by development of tumour cells or cellular degeneration
XX
XX Sequence 17 BP; 9 A; 2 C; 2 G; 4 T; 0 U; 0 Other;
SQ
Query Match 10.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1459 GATCAAGCAATA 1471
Db 1 GATCAAGCAATA 13
RESULT 55
AAV91002/C
ID AAV91002 standard; RNA; 17 BP.
AC AAV91002;
XX
XX 18-FEB-1999 (first entry)
XX
XX Human C-raf target site nucleotide position 556.
XX
XX Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;
KW screening; identification; synthesis; deprotection; purification; cancer;
KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
KW restenosis; rheumatoid arthritis; ss.
XX
XX Homo sapiens.
XX
XX WO9850530-A2.
XX
XX 12-NOV-1998.
XX
XX 05-MAY-1998; 98WO-US009249.
XX
XX 09-MAY-1997; 97US-0046059P.
XX
XX 09-JUN-1997; 97US-0049002P.
XX
XX 03-JUL-1997; 97US-0051718P.
XX
XX 22-AUG-1997; 97US-0056808P.
XX
XX 02-OCT-1997; 97US-0061321P.
XX
XX 02-OCT-1997; 97US-0061324P.
XX
XX 05-NOV-1997; 97US-0064866P.
XX
XX 19-DEC-1997; 97US-0068212P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
PI Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;
PI Thompson J, Workman CT, Beaudry A, Sweedler D;
XX
XX WPI; 1999-009494/01.
XX
XX Identifying new catalytic nucleic acid that modulates selected processes
PT - especially ribozymes that cleave Raf RNA for treating cancer.
PT restenosis, and also new ribozymes and modified nucleoside triphosphates
PT used as antiviral agents and synthons.
XX
XX Claim 177; Page 147; 259pp; English.

XX A method has been developed for the identification of a nucleic acid
CC capable of modulating a process in a biological system. The method
CC comprises: (a) introducing into the system a random library of nucleic
CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising
CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC
CC in systems where modulation has occurred and/or determining the sequence
CC of at least part of the SBDs in such systems. Nucleic acid molecules with
CC endonuclease activity and catalytic activity, from the present invention,
CC are used to modulate gene expression in plant and mammalian cells and to
CC cleave target nucleic acid, particularly for treating systemic diseases
CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
CC ascites and infection. They may also be used to detect genetic drift and
CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
CC with RNA-cleaving activity that modulate expression of the Raf gene, are
CC used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
CC generally any condition associated with the level of c-raf. Introduction
CC of sugar/phosphate modifications increases stability against nuclease and
CC activity. AAV90922 to AAV91877 represent NACs that can be used in the
CC method, specifically for modulating the expression of a Raf gene
XX
XX Sequence 17 BP; 4 A; 4 C; 5 G; 0 T; 4 U; 0 Other;
SQ
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1382 CGTCTTCTGATCAAG 1397
Db 17 CGTCTTCCGACAAAG 2
RESULT 56
AAV03157
ID AAV03157 standard; DNA; 17 BP.
XX
XX AAV03157;
XX
XX 16-FEB-2001 (first entry)
XX
XX Hammerhead ribozyme substrate #1452.
XX
XX Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
XX Homo sapiens.
XX
XX WO200061729-A2.
XX
XX 19-OCT-2000.
XX
XX 11-APR-2000; 2000WO-US009721.
XX
XX 12-APR-1999; 99US-0129390P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
XX WPI; 2000-647423/62.
XX
XX Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 89; 164pp; English.
XX
XX The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of

CC erythropoietin, granulocyte colony stimulating factor protein and
 XX interferon alpha
 SQ Sequence 17 BP; 10 A; 1 C; 2 G; 4 T; 0 U; 0 Other;
 Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1353 AGAAAAATATTCACG 1368
 Db 1 AGAAAAATATTCAG 16
 RESULT 57
 AAC82073/c
 ID AAC82073 standard; DNA; 17 BP.
 XX
 AC AAC82073;
 XX
 DT 07-MAR-2001 (first entry)
 XX
 DE Enterobacter sp gyrB PCR primer gyrB3 #2.
 XX
 KW Genotypic classification; gyrA; gyrB; parC; parE; diagnosis; detection;
 XX epidemiology; quinolone-resistance mutant; ds.
 XX Synthetic.
 XX
 PN WQ200061796-A1.
 XX
 PD 19-OCT-2000.
 XX
 PF 10-APR-2000; 2000WO-EP003187.
 XX
 PR 10-APR-1999; 99DE-01016227.
 PR 19-AUG-1999; 99EP-00116340.
 XX
 PA (MERL-) MERLIN GES MIKROBIOLOGISCHE DIAGNOSTIKA.
 XX
 PI Heisig P, Fuchs-Gomez Y;
 XX
 DR WPI; 2000-665142/64.
 XX
 CC Genotypic classification of bacteria, useful e.g. for diagnosis, based on
 PT variations in the sequence of the gyr and par genes.
 XX
 PS Disclosure; Page 46; 54pp; German.
 XX
 CC This invention describes a novel method for genotypic classification of
 CC bacteria which is based on the sequences of parts of at least one of the
 CC genes gyrA, gyrB, parC and parE, and comparison with known sequences of
 CC these genes. The method is used to identify bacteria, including
 CC differentiation between subspecies, for analytical or diagnostic
 CC classification, e.g. in epidemiological studies and for detection of
 CC quinolone-resistance mutations. The specified genes are (almost)
 CC universally present in bacteria; show stable sequences variations; are
 CC identical within a given strain; show smaller variations between strains
 CC of a species than between species; contain species-specific variations
 CC and are highly conserved
 XX
 SQ Sequence 17 BP; 6 A; 3 C; 2 G; 6 T; 0 U; 0 Other;
 Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1400 GGTAAAAATTGTTAATG 1415
 Db 17 GGTAAAAATTCTTAACG 2
 RESULT 58

ABV79884/c
 ID ABV79884 standard; DNA; 17 BP.
 XX
 AC ABV79884;
 XX
 DT 03-JAN-2003 (first entry)
 XX
 DE Human HTPL scanning oligonucleotide SEQ ID 1130.
 XX
 KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
 KW human testis expressed Patched like protein; testis; adrenal; liver;
 KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
 KW prostate; skeletal muscle; colon; male infertility; cancer; ss.
 XX
 OS Homo sapiens.
 XX
 PN EP1229046-A2.
 XX
 PD 07-AUG-2002.
 XX
 PF 28-JAN-2002; 2002EP-00001167.
 XX
 PR 30-JAN-2001; 2001WO-US000663.
 PR 30-JAN-2001; 2001WO-US000664.
 PR 30-JAN-2001; 2001WO-US000665.
 PR 30-JAN-2001; 2001WO-US000667.
 PR 30-JAN-2001; 2001WO-US000668.
 PR 30-JAN-2001; 2001WO-US000669.
 PR 23-MAY-2001; 2001US-00864761.
 PR 09-OCT-2001; 2001US-0327898P.
 XX
 PA (AEOM-) AEOMICA INC.
 XX
 PI Zhan J;
 XX
 DR WPI; 2002-676582/73.
 XX
 PT Novel isolated human testis expressed Patched like protein (HTPL), useful
 PT for identifying agonist and antagonist and specific binding partners, and
 PT for treating subjects having defects in HTPL.
 XX
 PS Example 2; Page 211; 718pp; English.
 XX
 CC The present invention relates to human testis expressed Patched like
 CC protein (HTPL, see ABV78759 to ABV78762 and AB98519 to AB98520). HTPL
 CC has two isoforms, with a few single base pair differences between the
 CC two. One of the single base pair changes introduces a premature stop
 CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
 CC shares an overall structure organisation with the Patched protein. The
 CC shared structural features strongly imply that HTPL plays a role similar
 CC to that of Patched, and is a potential tumour suppressor. HTPL is
 CC important in regulating male germ cell development, and the HTPL gene was
 CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
 CC useful for diagnosing a disorder caused by mutation in HTPL, and in
 CC therapy and manufacture of a medicament for treatment or prevention of
 CC such disorder associated with decreased expression or activity of human
 CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
 CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
 CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
 CC clinically useful diagnostic markers and potential therapeutic agents for
 CC male infertility and cancer. The present oligonucleotide was used in an
 CC example from the invention
 XX
 SQ Sequence 17 BP; 4 A; 6 C; 2 G; 5 T; 0 U; 0 Other;
 Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1458 TGATCAAGCAATAGG 1473
 Db 17 TGATCGAGCAATCGG 2

RESULT 59
ABV79886/c
ID ABV79886 standard; DNA; 17 BP.
XX AC ABV79886;
XX DT 03-JAN-2003 (first entry)
XX DE Human HTPL scanning oligonucleotide SEQ ID 1132.
XX KW Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
KW human testis expressed Patched like protein; testis; adrenal; liver;
KW male germ cell development; bone marrow; brain; kidney; lung; placenta;
KW prostate; skeletal muscle; colon; male infertility; cancer; ss.
XX OS Homo sapiens.
XX EP1229046-A2.
XX PN 07-AUG-2002.
XX PD 28-JAN-2002; 2002EP-00001167.
XX PF 30-JAN-2001; 2001WO-US000663.
XX PR 30-JAN-2001; 2001WO-US000664.
XX PR 30-JAN-2001; 2001WO-US000665.
XX PR 30-JAN-2001; 2001WO-US000667.
XX PR 30-JAN-2001; 2001WO-US000668.
XX PR 30-JAN-2001; 2001WO-US000669.
XX PR 23-MAY-2001; 2001US-00864761.
XX PR 09-OCT-2001; 2001US-0327898P.
XX PA (AEOM-) AEOMICA INC.
XX PI Zhan J;
XX WPI; 2002-676582/73.
XX Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and
PT for treating subjects having defects in HTPL.
XX Example 2; Page 212; 719pp; English.
XX The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and AB98519 to AB98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC therapy and manufacture of a medicament for treatment or prevention of
CC such disorder associated with decreased expression or activity of human
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate, and
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX Sequence 17 BP; 4 A; 5 C; 2 G; 6 T; 0 U; 0 Other;
Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1457 TTGATCGAGCAATAG 1472
||||| |||||||

Db 16 TTGATCGAGCAATGG 1
RESULT 60
ABK17389
ID ABK17389 standard; RNA; 17 BP.
XX AC ABK17389;
XX DT 09-APR-2002 (first entry)
XX DE Human ERG hammerhead ribozyme target sequence, Seq ID No 36.
XX KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmologic; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberous sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.
XX OS Homo sapiens.
XX WO2001188124-A2.
XX PD 22-NOV-2001.
XX PF 16-MAY-2001; 2001WO-US015866.
XX PR 16-MAY-2000; 2000US-00572021.
XX PA (RIBO-) RIBOZYME PHARM INC.
XX PI (GLAX) GLAXO GROUP LTD.
XX Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
XX WPI; 2002-082995/11.
XX Novel polynucleotide which down regulates expression of Ets-related gene,
PT useful for treating cancer, diabetic retinopathy, macular degeneration,
PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX Claim 4; Page 59; 149pp; English.
XX The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX Sequence 17 BP; 2 A; 3 C; 6 G; 0 T; 6 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 56.2%; Pred. No. 1.8e+02;
 Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1418 GACCAGTCGTTCTATG 1433
 |||||:|:|:|
 DB 2 GACCAGUCGUUUUG 17

RESULT 61
 ABK18744
 ID ABK18744 standard; RNA; 17 BP.
 AC ABK18744;
 XX
 DT 09-APR-2002 (first entry)
 XX
 DE Human ERG DNAzyme target sequence Seq ID No 1391.
 XX
 KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
 KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
 KW vulnery; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
 KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
 KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
 KW angiofibroma of tuberosus sclerosis; port-wine stain; wound healing;
 KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
 KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNAzyme; inozyme;
 KW amberzyme.
 XX
 OS Homo sapiens.
 XX
 PN WO200188124-A2.
 XX
 PD 22-NOV-2001.
 XX
 PF 16-MAY-2001; 2001WO-US015866.
 XX
 PR 16-MAY-2000; 2000US-00572021.
 XX
 PA (RIBO-) RIBOZYME PHARM INC.
 PA (GLAXO) GLAXO GROUP LTD.
 XX
 PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
 XX
 DR WPI; 2002-082995/11.
 XX
 PS Novel polynucleotide which down regulates expression of Ets-related gene,
 PT useful for treating cancer, diabetic retinopathy, macular degeneration,
 PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
 XX
 Claim 4; Page 90; 149pp; English.

The invention relates to a nucleic acid molecule (I) which down regulates
 expression of an Ets-related gene (ERG). (I) is useful for treating
 conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
 tumour angiogenesis, diabetic retinopathy, macular degeneration,
 neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
 vulgaris, angiofibroma of tuberosus sclerosis, port-wine stains, Sturge
 Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
 syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
 treating a patient having a condition associated with the level of ERG,
 by contacting cells of the patient with (I) under conditions suitable for
 the treatment. The method comprises the use of one or more therapies
 under conditions suitable for the treatment. Leukaemia or tumour
 angiogenesis is treated by administering (I) to the patient in
 conjunction with one or more of other therapies such as radiation or
 chemotherapy treatment. (I) is useful for reducing ERG activity in a
 cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
 ERG gene, by contacting (I) with RNA, in the presence of a divalent
 cation such as Mg²⁺. (I) is useful for diagnosis of conditions and
 diseases related to the expression of ERG, and as diagnostic tool to
 examine genetic drift and mutations within diseased cells or to detect

CC the presence of ERG RNA in a cell. (I) is useful for specifically
 CC targeting genes that share homology with ERG gene or ERG fusion genes.
 CC ABK17354-ABK22719 represent nucleic acids, including antisense and
 CC enzymatic nucleic acid molecules which regulate expression of ERG, and
 CC related PCR primers of the invention
 XX
 SQ Sequence 17 BP; 3 A; 3 C; 5 G; 0 T; 6 U; 0 Other;
 Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 56.2%; Pred. No. 1.8e+02;
 Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1418 GACCAGTCGTTCTATG 1433
 |||||:|:|:|
 DB 1 GACCAGUCGUUUUG 16

RESULT 62
 ABK18928
 ID ABK18928 standard; RNA; 17 BP.
 AC ABK18928;
 XX
 DT 09-APR-2002 (first entry)
 XX
 DE Human ERG DNAzyme target sequence Seq ID No 1575.
 XX
 KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
 KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
 KW vulnery; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
 KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
 KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
 KW angiofibroma of tuberosus sclerosis; port-wine stain; wound healing;
 KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
 KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNAzyme; inozyme;
 KW amberzyme.
 XX
 OS Homo sapiens.
 XX
 PN WO200188124-A2.
 XX
 PD 22-NOV-2001.
 XX
 PF 16-MAY-2001; 2001WO-US015866.
 XX
 PR 16-MAY-2000; 2000US-00572021.
 XX
 PA (RIBO-) RIBOZYME PHARM INC.
 PA (GLAXO) GLAXO GROUP LTD.
 XX
 PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
 XX
 DR WPI; 2002-082995/11.
 XX
 PS Novel polynucleotide which down regulates expression of Ets-related gene,
 PT useful for treating cancer, diabetic retinopathy, macular degeneration,
 PT arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
 XX
 Claim 4; Page 105; 149pp; English.

The invention relates to a nucleic acid molecule (I) which down regulates
 expression of an Ets-related gene (ERG). (I) is useful for treating
 conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
 tumour angiogenesis, diabetic retinopathy, macular degeneration,
 neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
 vulgaris, angiofibroma of tuberosus sclerosis, port-wine stains, Sturge
 Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
 syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
 treating a patient having a condition associated with the level of ERG,
 by contacting cells of the patient with (I) under conditions suitable for
 the treatment. The method comprises the use of one or more therapies
 under conditions suitable for the treatment. Leukaemia or tumour
 angiogenesis is treated by administering (I) to the patient in

conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a cell, by contacting the cell with RNA. (I) is useful for cleaving RNA of ERG gene, by contacting (I) with RNA, in the presence of a divalent cation such as Mg2+. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically targeting genes that share homology with ERG gene or ERG fusion genes. ABK17344-ABK22719 represent nucleic acids, including antisense and enzymatic nucleic acid molecules which regulate expression of ERG, and related PCR primers of the invention

Sequence 17 BP; 4 A; 3 C; 7 G; 0 T; 3 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 68.8%; Pred. No. 1.8e+02;

Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1412 AATGATGACCGTCTGT 1427

DB 2 AGUGAGGACGUGU 17

RESULT 63

ABK18743

ID ABK18743 standard; RNA; 17 BP.

AC ABK18743;

DT 09-APR-2002 (first entry)

DE Human ERG DNAzyme target sequence Seq ID No 1390.

KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnery; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberos sclerosia; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme; amberzyme.

OS Homo sapiens.

PN WO200188124-A2.

XX 22-NOV-2001.

PF 16-MAY-2001; 2001WO-US015866.

XX 16-MAY-2000; 2000US-00572021.

PR (RIBO-) RIBOZYME PHARM INC.

PA (GLAXO) GLAXO GROUP LTD.

PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;

XX WPI; 2002-082995/11.

XX Novel polynucleotide which down regulates expression of Ets-related genes, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.

PS Claim 4; Page 90; 149pp; English.

XX The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, tumour angiogenesis, diabetic retinopathy, macular degeneration, neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca vulgaris, angiofibroma of tuberos sclerosia, port-wine stains, Sturge

CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies under conditions suitable for the treatment. Leukaemia or tumour angiogenesis is treated by administering (I) to the patient in conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a cell, by contacting the cell with (I). (I) is useful for cleaving RNA of ERG gene, by contacting (I) with RNA, in the presence of a divalent cation such as Mg2+. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically targeting genes that share homology with ERG gene or ERG fusion genes. ABK17354-ABK22719 represent nucleic acids, including antisense and enzymatic nucleic acid molecules which regulate expression of ERG, and related PCR primers of the invention

XX Sequence 17 BP; 3 A; 3 C; 6 G; 0 T; 5 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 62.5%; Pred. No. 1.8e+02;

Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1415 GATGACCGTCTGTCT 1430

DB 1 GAGGACCGUGUGU 16

RESULT 64

ACC53240/C

ID ACC53240 standard; DNA; 17 BP.

XX ACC53240;

DT 27-JUN-2003 (first entry)

XX Human tumour suppressor sequence #2007.

DE ss; tumour suppressor; antitumour; cytostatic; tumour suppression; tumour regression; apoptosis; virus resistance; diagnosis; cellular degeneration.

KW Homo sapiens.

XX FR2826373-A1.

XX 27-DEC-2002.

XX 20-JUN-2001; 2001FR-00008139.

XX 20-JUN-2001; 2001FR-00008139.

XX (MOLE-) MOLECULAR ENGINES LAB SA.

XX Tuijnder M, Telerman A, Amson R;

XX WPI; 2003-250498/25.

XX New nucleic acid sequences associated with tumor suppression, regression, apoptosis or virus resistance are useful to diagnose and treat viral disease, development of tumor cells and cell degeneration.

PS Claim 1; Page 503; 798pp; French.

XX This sequence represents an isolated nucleic acid sequence associated with tumour suppression or regression, apoptosis or virus resistance. The invention relates to these sequences or sequences having at least 80% identity to them, and polypeptides encoded by the sequences or polypeptides having 80% identity to the polypeptide sequences. The invention is used to diagnose or treat viral disease or disease

CC Characterized by development of tumour cells or cellular degeneration
XX
SQ Sequence 17 BP; 4 A; 3 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGATC 1372
|||||
DB 16 AAATATTCACGATC 1

RESULT 65
ABT38708/c
ID ABT38708 standard; DNA; 17 BP.
XX AC
XX AC ABT38708;
XX
DT 12-JUN-2003 (first entry)
XX
DE Tumour suppression related human fukutin oligo SEQ ID No 4345.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; protein chip; gene therapy; tumour suppression;
KW human fukutin; ds.
XX OS Homo sapiens.
XX PN WO2003025175-A2.
XX PD 27-MAR-2003.
XX PF 17-SEP-2002; 2002WO-IB004208.
XX PR 17-SEP-2001; 2001FR-00011978.
XX PA (MOLE-) MOLECULAR ENGINES LAB.
XX PI Telerman A, Amson R, Tuijnder M;
XX WPI; 2003-313353/30.
XX
PT New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
PS Disclosure; Page 542; 720pp; French.
XX
CC The invention relates to a novel isolated 17 mer nucleic acid sequence,
CC given in the specification, a sequence containing at least 15 consecutive
CC nucleotides from the 17 mer sequence, a sequence with, after optimal
CC alignment, at least 80 % identity to the 17 mer sequence, a sequence that
CC hybridizes to them under highly stringent conditions, or the complement
CC of any of them, or the corresponding RNA. The novel isolated nucleic
CC acids of the invention are useful as probes and primers for detecting,
CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
CC component of a gene chip, in vitro as (anti)sense reagents, and for
CC production of recombinant polypeptides. Any of the nucleic acids,
CC polypeptides, vectors containing the nucleic acids, cells containing the
CC vector or antibodies directed against the nucleic acids, cells containing the
CC preparation of pharmaceuticals for prevention and/or treatment of viral
CC diseases that are characterised by development of tumours or cell
CC degeneration, specifically cancer but also Alzheimer's disease and
CC schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
CC patient samples is useful for diagnosis and/or prognosis of these
CC diseases. The polypeptides can also be used to generate antibodies, and
CC both the polypeptide and antibodies are useful as components of protein
CC chips. The nucleic acid sequences of the invention can be used in gene
CC therapy. This polynucleotide sequence represents a tumour suppression
CC related human fukutin oligonucleotide of the invention
XX

SQ Sequence 17 BP; 4 A; 3 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACAGTGAAGAT 1453
|||||
DB 17 CATATACAGTGAAGAT 2

RESULT 66
ABT37232/c
ID ABT37232 standard; DNA; 17 BP.
XX AC
XX AC ABT37232;
XX
DT 12-JUN-2003 (first entry)
XX
DE Tumour suppression related human fukutin oligo SEQ ID No 2869.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; protein chip; gene therapy; tumour suppression;
KW human fukutin; ds.
XX OS Homo sapiens.
XX PN WO2003025175-A2.
XX PD 27-MAR-2003.
XX PF 17-SEP-2002; 2002WO-IB004208.
XX PR 17-SEP-2001; 2001FR-00011978.
XX PA (MOLE-) MOLECULAR ENGINES LAB.
XX PI Telerman A, Amson R, Tuijnder M;
XX WPI; 2003-313353/30.
XX
PT New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
PS Disclosure; Page 368; 720pp; French.
XX
CC The invention relates to a novel isolated 17 mer nucleic acid sequence,
CC given in the specification, a sequence containing at least 15 consecutive
CC nucleotides from the 17 mer sequence, a sequence with, after optimal
CC alignment, at least 80 % identity to the 17 mer sequence, a sequence that
CC hybridizes to them under highly stringent conditions, or the complement
CC of any of them, or the corresponding RNA. The novel isolated nucleic
CC acids of the invention are useful as probes and primers for detecting,
CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
CC component of a gene chip, in vitro as (anti)sense reagents, and for
CC production of recombinant polypeptides. Any of the nucleic acids,
CC polypeptides, vectors containing the nucleic acids, cells containing the
CC vector or antibodies directed against the polypeptides are useful for
CC preparation of pharmaceuticals for prevention and/or treatment of viral
CC diseases that are characterised by development of tumours or cell
CC degeneration, specifically cancer but also Alzheimer's disease and
CC schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
CC patient samples is useful for diagnosis and/or prognosis of these
CC diseases. The polypeptides can also be used to generate antibodies, and
CC both the polypeptide and antibodies are useful as components of protein
CC chips. The nucleic acid sequences of the invention can be used in gene
CC therapy. This polynucleotide sequence represents a tumour suppression
CC related human fukutin oligonucleotide of the invention
XX
SQ Sequence 17 BP; 4 A; 4 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGAGGTAATAATGTT 1411
 ||||| ||||| ||||| |||||
 Db 17 AGGAGATAAATGAT 2

RESULT 67
 ABT37359/c
 ID ABT37359 standard; DNA; 17 BP.
 XX AC
 XX AC
 XX ABT37359;
 DT 12-JUN-2003 (first entry)
 DE Tumour suppression related human fukutin oligo SEQ ID No 2996.
 XX
 KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
 KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
 KW schizophrenia; protein chip; gene therapy; tumour suppression;
 KW human fukutin; ds.
 XX
 OS Homo sapiens.
 XX
 XX WO2003025175-A2.
 XX
 XX 27-MAR-2003.
 XX
 PF 17-SEP-2002; 2002WO-IB004208.
 XX
 PR 17-SEP-2001; 2001PR-00011978.
 XX
 PA (MOLE-) MOLECULAR ENGINES LAB.
 XX
 PI Telerman A, Amson R, Tuijnder M;
 XX
 XX WPI; 2003-313353/30.
 XX
 PT New isolated nucleic acid, useful for treating viral diseases associated
 PT with tumors and cell degeneration, also related polypeptides, antibodies
 PT and transfected cells.
 XX
 PS Disclosure; Page 383; 720pp; French.
 XX
 CC The invention relates to a novel isolated 17 mer nucleic acid sequence,
 CC given in the specification, a sequence containing at least 15 consecutive
 CC nucleotides from the 17 mer sequence, a sequence with, after optimal
 CC alignment, at least 80 % identity to the 17 mer sequence, a sequence that
 CC hybridizes to them under highly stringent conditions, or the complement
 CC of any of them, or the corresponding RNA. The novel isolated nucleic
 CC acids of the invention are useful as probes and primers for detecting,
 CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
 CC component of a gene chip, in vitro as (anti)sense reagents, and for
 CC production of recombinant polypeptides. Any of the nucleic acids,
 CC polypeptides, vectors containing the nucleic acids, cells containing the
 CC vector or antibodies directed against the polypeptides are useful for
 CC preparation of pharmaceuticals for prevention and/or treatment of viral
 CC diseases that are characterised by development of tumours or cell
 CC degeneration, specifically cancer but also Alzheimer's disease and
 CC schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
 CC patient samples is useful for diagnosis and/or prognosis of these
 CC diseases. The polypeptides can also be used to generate antibodies, and
 CC both the polypeptide and antibodies are useful as components of protein
 CC chips. The nucleic acid sequences of the invention can be used in gene
 CC therapy. This polynucleotide sequence represents a tumour suppression
 CC related human fukutin oligonucleotide of the invention
 XX
 SQ Sequence 17 BP; 5 A; 2 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1402 TAAATTTGTTAATGAT 1417
 ||||| ||||| ||||| |||||
 Db 17 TAAATGCTAATGAT 2

RESULT 68
 ACC66008
 ID ACC66008 standard; DNA; 17 BP.
 XX AC
 XX ACC66008;
 XX
 DT 01-JUL-2003 (first entry)
 DE Murine oligonucleotide associated with tumour suppression, SEQ ID 3255.
 XX
 KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
 KW tumour suppression; tumour reversion; apoptosis; virus resistance;
 KW viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
 KW schizophrenia; ss.
 XX
 OS Mus musculus.
 XX
 XX WO2003025176-A2.
 XX
 XX 27-MAR-2003.
 XX
 PF 17-SEP-2002; 2002WO-IB004210.
 XX
 PR 17-SEP-2001; 2001PR-00011979.
 XX
 PA (MOLE-) MOLECULAR ENGINES LAB.
 XX
 PI Telerman A, Amson R, Tuijnder M;
 XX
 XX WPI; 2003-333167/31.
 XX
 PT New isolated nucleic acid, useful for treating viral diseases associated
 PT with tumors and cell degeneration, also related polypeptides, antibodies
 PT and transfected cells.
 XX
 PS Disclosure; Page 411; 738pp; French.
 XX
 CC The present invention relates to murine oligonucleotides (ACC62754-
 CC ACC68806), which are associated with tumour suppression, tumour
 CC reversion, apoptosis and virus resistance. The oligonucleotides are
 CC useful as (1) as probes and primers for detecting, identifying,
 CC quantifying and/or amplifying nucleic acid, e.g. as one component of a
 CC gene chip; in vitro as (anti)sense reagents; and (2) for production of
 CC recombinant polypeptides. The oligonucleotides are useful for preparation
 CC of pharmaceuticals for prevention and/or treatment of viral diseases that
 CC are characterised by development of tumours or cell degeneration,
 CC specifically cancer but also Alzheimer's disease and schizophrenia
 XX
 SQ Sequence 17 BP; 7 A; 4 C; 4 G; 2 T; 0 U; 0 Other;
 Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1459 GATCAAGCAAAATAGGA 1474
 ||||| ||||| ||||| |||||
 Db 1 GATCAAGCACTAGGA 16

RESULT 69
 ACC64817
 ID ACC64817 standard; DNA; 17 BP.
 XX AC
 XX ACC64817;
 XX
 DT 01-JUL-2003 (first entry)

XX DE Murine oligonucleotide associated with tumour suppression, SEQ ID 2064.
 XX PF
 XX KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
 XX KW tumour suppression; tumour reversion; apoptosis; virus resistance;
 XX KW viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
 XX KW schizophrenia; ss.
 XX OS Mus musculus.
 XX XX
 XX PN WO2003025176-A2.
 XX XX
 XX PD 27-MAR-2003.
 XX XX
 XX PF 17-SEP-2002; 2002WO-IB004210.
 XX XX
 XX PR 17-SEP-2001; 2001FR-00011979.
 XX XX
 XX PA (MOLE-) MOLECULAR ENGINES LAB.
 XX PI Telerman A, Amson R, Tuijnder M;
 XX XX
 XX DR WPI; 2003-333167/31.
 XX XX
 XX PT New isolated nucleic acid, useful for treating viral diseases associated
 XX PT with tumors and cell degeneration, also related polypeptides, antibodies
 XX PT and transfected cells.
 XX XX
 XX PS Disclosure; Page 272; 738pp; French.
 XX XX
 XX CC The present invention relates to murine oligonucleotides (ACC62754-
 XX CC ACC6806), which are associated with tumour suppression, tumour
 XX CC reversion, apoptosis and virus resistance. The oligonucleotides are
 XX CC useful as (1) as probes and primers for detecting, identifying,
 XX CC quantifying and/or amplifying nucleic acid, e.g. as one component of a
 XX CC gene chip; in vitro as (antisense reagents; and (2) for production of
 XX CC recombinant polypeptides. The oligonucleotides are useful for preparation
 XX CC of pharmaceuticals for prevention and/or treatment of viral diseases that
 XX CC are characterised by development of tumours or cell degeneration,
 XX CC specifically cancer but also Alzheimer's disease and schizophrenia
 XX XX
 XX SQ Sequence 17 BP; 6 A; 1 C; 5 G; 5 T; 0 U; 0 Other;
 Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1390 GATCAAGGAGGTAAA 1405
 DB |||||
 1 GATCTAAGGAGGTATA 16
 RESULT 70
 ADB42628/c
 ID ADB42628 standard; DNA; 17 BP.
 XX AC
 XX AC ADB42628;
 XX XX
 XX DT 18-DEC-2003 (revised)
 XX DT 04-DEC-2003 (first entry)
 XX XX
 XX DE Tumour suppression/reversion associated nucleotide #2951.
 XX KW cyostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
 XX KW primer; probe; tumour suppression; tumour reversion; apoptosis;
 XX KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
 XX KW diagnosis.
 XX OS Homo sapiens.
 XX OS
 XX PN WO2003040369-A2.
 XX XX
 XX PD 15-MAY-2003.

XX PF 17-SEP-2002; 2002WO-IB004219.
 XX XX
 XX PR 17-SEP-2001; 2001FR-00011981.
 XX XX
 XX PA (MOLE-) MOLECULAR ENGINES LAB.
 XX XX
 XX PI Telerman A, Amson R, Tuijnder M;
 XX XX
 XX DR WPI; 2003-441574/41.
 XX XX
 XX PT New nucleic acid encoding human prostate membrane-specific antigen,
 XX PT useful e.g. for treatment of tumors and viral infection, also related
 XX PT polypeptide and antibodies.
 XX XX
 XX PS Disclosure; Page 377; 771pp; French.
 XX XX
 XX CC The invention relates to the isolation of 6327 nucleotide sequences,
 XX CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
 XX CC sequence having at least 80% identity, after optimal alignment, with the
 XX CC nucleotides, a sequence that hybridizes under stringent conditions with
 XX CC the nucleotides, or the complement, or corresponding RNA, of the
 XX CC nucleotides. The nucleotides are used as probes or primers for detecting,
 XX CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
 XX CC sense and antisense sequences, of nucleotides involved in tumour
 XX CC suppression or reversion, apoptosis and or viral resistance, to produce
 XX CC recombinant polypeptides, and to prepare transgenic animals, as
 XX CC experimental models. The nucleotides (also vectors containing them and
 XX CC cells containing the vectors), the encoded polypeptides and antibodies
 XX CC (Ab) against the polypeptide are useful for prevention and/or treatment
 XX CC of viral infections or diseases characterized by development of tumours
 XX CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
 XX CC Analysis of the expression of the nucleotides can be used for diagnosis
 XX CC and/or prognosis of these diseases. The nucleotides and polypeptides can
 XX CC also be used to screen for their specific interactive molecules,
 XX CC potentially useful for treating diseases associated with abnormal
 XX CC expression of the nucleotides.
 XX XX
 XX SQ Sequence 17 BP; 3 A; 6 C; 1 G; 7 T; 0 U; 0 Other;
 Query Match 9.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 1.8e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1447 GGAAGATGGGTTGATC 1462
 DB |||||
 16 GGAATAATGGGTAGATC 1
 RESULT 71
 ADB42519
 ID ADB42519 standard; DNA; 17 BP.
 XX AC
 XX AC ADB42519;
 XX XX
 XX DT 18-DEC-2003 (revised)
 XX DT 04-DEC-2003 (first entry)
 XX XX
 XX DE Tumour suppression/reversion associated nucleotide #2842.
 XX KW cyostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
 XX KW primer; probe; tumour suppression; tumour reversion; apoptosis;
 XX KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
 XX KW diagnosis.
 XX OS Homo sapiens.
 XX OS
 XX PN WO2003040369-A2.
 XX XX
 XX PD 15-MAY-2003.
 XX XX
 XX PD 17-SEP-2002; 2002WO-IB004219.
 XX XX

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PR 17-SEP-2001; 2001FR-00011981.
XX (MOLE-) MOLECULAR ENGINES LAB.
XX
XX Telerman A, Amson R, Tuijnder M;
XX
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
XX useful e.g. for treatment of tumors and viral infection, also related
XX polypeptide and antibodies.
XX
XX Disclosure; Page 364; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
XX fragments of at least 15 consecutive nucleotides of these nucleotides, a
XX sequence having at least 80% identity, after optimal alignment, with the
XX nucleotides, a sequence that hybridizes under stringent conditions with
XX the nucleotides, or the complement, or corresponding RNA, of the
XX nucleotides. The nucleotides are used as probes or primers for detecting,
XX identifying, quantifying and/or amplifying nucleic acids, as in vitro
XX sense and antisense sequences, of nucleotides involved in tumour
XX suppression or reversion, apoptosis and or viral resistance, to produce
XX recombinant polypeptides, and to prepare transgenic animals, as
XX experimental models. The nucleotides (also vectors containing them and
XX cells containing the vectors), the encoded polypeptides and antibodies
XX (Ab) against the polypeptide are useful for prevention and/or treatment
XX of viral infections or diseases characterized by development of tumours
XX or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
XX Analysis of the expression of the nucleotides can be used for diagnosis
XX and/or prognosis of these diseases. The nucleotides and polypeptides can
XX also be used to screen for their specific interactive molecules,
XX potentially useful for treating diseases associated with abnormal
XX expression of the nucleotides.
XX
XX Sequence 17 BP; 6 A; 2 C; 5 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 9.8%; Score 12.8; DB 1; Length 17;
XX Best Local Similarity 87.5%; Pred. No. 1.8e+02;
XX Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1459 GATCAAGCAGATAGGA 1474
XX ||||| ||||| |||||
XX 1 GATCATGCAGATAGGA 16
XX
XX RESULT 72
XX ADB42671/c
XX ID ADB42671 standard; DNA; 17 BP.
XX
XX AC ADB42671;
XX
XX 18-DEC-2003 (revised)
XX DT 04-DEC-2003 (first entry)
XX
XX Tumour suppression/reversion associated nucleotide #2994.
XX
XX cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
XX primer; probe; tumour suppression; tumour reversion; apoptosis;
XX virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
XX diagnosis.
XX
XX Homo sapiens.
XX OS
XX WO2003040369-A2.
XX PN
XX 15-MAY-2003.
XX PD
XX 17-SEP-2002; 2002WO-IB004219.
XX PF
XX 17-SEP-2001; 2001FR-00011981.
XX PR
XX (MOLE-) MOLECULAR ENGINES LAB.
XX PA

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XX Telerman A, Amson R, Tuijnder M;
XX
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
XX useful e.g. for treatment of tumors and viral infection, also related
XX polypeptide and antibodies.
XX
XX Disclosure; Page 382; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
XX fragments of at least 15 consecutive nucleotides of these nucleotides, a
XX sequence having at least 80% identity, after optimal alignment, with the
XX nucleotides, a sequence that hybridizes under stringent conditions with
XX the nucleotides, or the complement, or corresponding RNA, of the
XX nucleotides. The nucleotides are used as probes or primers for detecting,
XX identifying, quantifying and/or amplifying nucleic acids, as in vitro
XX sense and antisense sequences, of nucleotides involved in tumour
XX suppression or reversion, apoptosis and or viral resistance, to produce
XX recombinant polypeptides, and to prepare transgenic animals, as
XX experimental models. The nucleotides (also vectors containing them and
XX cells containing the vectors), the encoded polypeptides and antibodies
XX (Ab) against the polypeptide are useful for prevention and/or treatment
XX of viral infections or diseases characterized by development of tumours
XX or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
XX Analysis of the expression of the nucleotides can be used for diagnosis
XX and/or prognosis of these diseases. The nucleotides and polypeptides can
XX also be used to screen for their specific interactive molecules,
XX potentially useful for treating diseases associated with abnormal
XX expression of the nucleotides.
XX
XX Sequence 17 BP; 7 A; 3 C; 1 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 9.8%; Score 12.8; DB 1; Length 17;
XX Best Local Similarity 87.5%; Pred. No. 1.8e+02;
XX Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1402 TAAATGTTTAAATGAT 1417
XX ||||| ||||| |||||
XX 17 TAAATTTGTGATGAT 2
XX
XX RESULT 73
XX AAX09878
XX ID AAX09878 standard; DNA; 18 BP.
XX
XX AC AAX09878;
XX
XX 24-MAR-1999 (first entry)
XX DT
XX
XX Human biallelic polymorphic marker downstream primer #184.
XX
XX Polymorphism; biallelic; human; forensic; paternity testing; disease;
XX detection; phenotypic typing; characteristic; infection; hereditary;
XX autoimmune disease; cancer; inflammation; drug; therapy; medicament;
XX treatment; marker; primer; ss.
XX
XX Synthetic.
XX OS
XX Homo sapiens.
XX
XX WO9820165-A2.
XX PN
XX 14-MAY-1998.
XX PD
XX 05-NOV-1997; 97WO-US020313.
XX PF
XX 06-NOV-1996; 96US-0030455P.
XX PR
XX (WHED ) WHITEHEAD INST BIOMEDICAL RES.
XX PA
XX Lander ES, Wang D, Hudson T;
XX PI
XX

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DR WPI; 1998-286974/25.

XX New isolated nucleic acid segments from the human genome - used for

PT determining polymorphic forms for use in e.g. forensics, paternity

XX testing or phenotypic typing for disease.

PS Claim 16; Page 68; 310pp; English.

XX AAX09121-X10268 are allele-specific oligonucleotide primers used in the

CC isolation of various biallelic polymorphic markers found in the human

CC genome (represented in AAX10269-X12937). These primers can be used in a

CC method for determining polymorphic forms in an individual for use in e.g.

CC forensics, paternity testing or for phenotypic typing for diseases such

CC as agammaglobulinemia, diabetes insipidus, Lesch-Nyhan syndrome, muscular

CC dystrophy, Wiskott-Aldrich syndrome, Fabry's disease, familial

CC hypercholesterolemia, polycystic kidney disease, hereditary

CC spherocytosis, von Willebrand's disease, tuberous sclerosis, hereditary

CC hamorrhagic telangiectasia, familial colonic polyposis, Ehlers-Danlos

CC syndrome, osteogenesis imperfecta, acute intermittent porphyria,

CC autoimmune diseases, inflammation, cancer, diseases of the nervous

CC system, infection by pathogenic microorganisms, and characteristics such

CC as longevity, appearance (e.g. baldness, obesity), strength, speed,

CC endurance, fertility, and susceptibility or receptivity to particular

CC drugs or therapeutic treatments. The isolated polymorphic nucleic acid

CC segments can also be used to produce medicaments for the treatment or

XX prophylaxis of such diseases

XX SQ Sequence 18 BP; 5 A; 4 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 2e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1452 ATGGGTTTCATCAGCA 1467

DB ||||| ||||| |||||

3 ATGGGTTTAATCCAGCA 18

RESULT 74

ACA60978

ID ACA60978 standard; DNA; 18 BP.

XX ACA60978;

XX 04-JUL-2003 (first entry)

XX Firefly luciferase PCR primer #1.

XX Plant propagation; plant sexual reproduction; transgenic plant;

XX tobacco pollen protein; NTP303; cis-acting element;

XX translation regulation; tobacco; ntp303 gene; 5'UTR; untranslated region;

XX firefly; luciferase; luc+; PCR; primer; ss.

XX Photinus pyralis.

XX WO2003031613-A2.

XX 17-APR-2003.

XX 04-OCT-2002; 2002WO-NL000638.

XX 05-OCT-2001; 2001EP-00203772.

XX 05-OCT-2001; 2001US-0327003P.

XX 19-APR-2002; 2002EP-00076593.

XX (UYN1-) UNIV NIJMEGEN.

XX Van Herpen MMA, Hulzink JMR, Croes AF;

XX WPI; 2003-381716/36.

XX Expressing a heterologous protein of interest in a double haploid

PT homozygous transgenic Nicotiana tabacum plant silenced for Ntp303, useful

for propagating, reproducing and harvesting of the transgenic plant.

PS Disclosure; Page 24; 48pp; English.

XX The invention describes a method of expressing a protein of interest in a

CC plant. The method comprises providing a nucleic acid construct having a

CC sequence that is at least 34 % identical to a 173 base pair sequence,

CC given in the specification, operably linked to a second sequence encoding

CC a polypeptide of interest, contacting a plant with the construct, and

CC subjecting the plant to express polypeptide, and optionally recovering

CC the polypeptide. The method is useful for regulating translation of a

CC second nucleotide sequence encoding a protein or polypeptide of interest,

CC the second nucleotide sequence operably linked to the first nucleotide

CC sequence. The methods and compositions can be used in the propagation,

CC sexual reproduction and harvesting of transgenic N. tabacum plant. This

CC sequence represents a primer used to isolate firefly luciferase (luc+)

CC for use as a reporter gene used to determine what cis-acting elements in

CC the 5'UTR of the nicotiana tabacum ntp303 gene are responsible for

CC translation regulation of the gene

XX SQ Sequence 18 BP; 6 A; 5 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 9.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 2e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1439 ATATACATGGAGATG 1454

DB ||||| ||||| |||||

1 ATATCCATGGAGAGACG 16

RESULT 75

AAX31573

ID AAX31573 standard; DNA; 15 BP.

XX AAX31573;

XX 21-MAY-1999 (first entry)

XX Tag sequence of a transcript increased in pancreatic cancer.

XX Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;

XX diagnosis; prognosis; treatment; ss.

XX Homo sapiens.

XX WO9853319-A2.

XX 26-NOV-1998.

XX 20-MAY-1998; 98WO-US010277.

XX 21-MAY-1997; 97US-0047352P.

XX (UYJO) UNIV JOHNS HOPKINS.

XX Vogelstein B, Kinzler KW;

XX WPI; 1999-070161/06.

XX Use of isolated gene transcripts - useful for developing products for the

XX diagnosis, prognosis and treatment of cancers, particularly colon and

XX pancreatic cancer.

XX Claim 13; Page 62; 120pp; English.

XX AAX30947-31815 represent tag sequences of transcripts that are

CC differentially expressed in colorectal cancer, in pancreatic cancer, or

CC in both. The tag sequences can be used to identify genes by matching the

CC tag to a gen data base member, or by using the tag sequences as probes to

CC isolate unidentified genes from cDNA libraries. The tag sequences can

CC also be used in a method for diagnosing colon or pancreatic cancer in a

CC sample suspected of being neoplastic. The method comprises comparing the

CC level of at least one transcript in a first sample of a tissue to a
 CC second sample, where the first sample is a colonic tissue suspected of
 CC being neoplastic and the second sample is a normal human colonic tissue.
 CC The transcript is identified by a tag selected from AAX30947-31815. The
 CC methods of the invention can be used in the diagnosis, prognosis and
 CC treatment of cancer

XX SQ Sequence 15 BP; 4 A; 1 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 15;
 Best Local Similarity 92.9%; Pred. No. 1.8e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGGT 1457
 |||||
 Db 1 CATGGAAGATGTGT 14

RESULT 76

ABK32527
 ID ABK32527 standard; DNA; 15 BP.

XX AC ABK32527;

XX DT 23-APR-2002 (first entry)

XX DE Human pancreatic cancer SAGE tag #79.

XX KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
 KW serial analysis of gene expression; diagnostic; prognostic; probe;
 KW cancer marker; ss.

XX OS Homo sapiens.

XX PN US6333152-B1.

XX PD 25-DEC-2001.

XX PF 20-MAY-1998; 98US-00081646.

XX PR 20-MAY-1998; 98US-00081646.

XX PA (UYJO) UNIV JOHNS HOPKINS.

XX PI Vogelstein B, Kinzler KW, Zhang L, Zhou W;

XX PS WPI; 2002-153821/20.

PT New human nucleic acid containing specific SAGE tags, useful as
 PT diagnostic markers for cancer, also derived probes.

PS Disclosure; Col 72; 161pp; English.

XX CC The invention relates to an isolated, purified human nucleic acid (I)
 CC that has the same sequence as a mRNA found in humans and is a SAGE
 CC (serial analysis of gene expression) tag comprising a single stranded
 CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
 CC diagnostic and prognostic markers of cancer, especially of the colon and
 CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
 CC SAGE tags of the invention

XX SQ Sequence 15 BP; 4 A; 1 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 15;
 Best Local Similarity 92.9%; Pred. No. 1.8e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGGT 1457
 |||||
 Db 1 CATGGAAGATGTGT 14

RESULT 77

AAV95372

ID AAV95372 standard; RNA; 17 BP.

XX AC AAV95372;

XX DT 24-FEB-1999 (first entry)

XX DE Human c-fos target sequence nucleotide position 1048.

XX KW Human; c-fos; hammerhead ribozyme; hairpin ribozyme; target site; cancer;
 KW oncogene; leukaemia; neuroblastoma; diagnosis; genetic drift; mutation;
 KW diseased cell; ss.

XX OS Homo sapiens.

XX PN WO9832846-A2.

XX PD 30-JUL-1998.

XX PF 20-JAN-1998; 98WO-US001017.

XX PR 23-JAN-1997; 97US-0037658P.

XX PR 24-DEC-1997; 97US-00998099.

XX PA (RIBO-) RIBOZYME PHARM INC.

XX PI Jarvis T, Mcswiggen JA, Stinchcomb DT;

XX DR WPI; 1998-427942/36.

XX PT Enzymatic nucleic acid molecules which specifically cleave RNA derived
 PT from a c-fos gene - useful for treating conditions related to levels of c
 PT -fos, especially cancer.

XX PS Claim 2; Page 51; 72pp; English.

XX CC The present invention describes an enzymatic nucleic acid molecule which
 CC specifically cleaves RNA derived from a c-fos gene. AAV95401 to AAV95540
 CC and AAV95541 to AAV95584 represent hammerhead ribozymes and hairpin
 CC ribozymes, respectively, which specifically cleave human c-fos. AAV95261
 CC to AAV95400 and AAV95585 to AAV95628 represent human c-fos target
 CC sequences. The enzymatic nucleic acid molecules can be used for treating
 CC cancer associated with elevated levels of c-fos oncogene, especially
 CC leukaemias, neuroblastomas and lung, breast and colon cancers. The
 CC ribozymes may also be used as diagnostic tools to examine genetic drift
 CC and mutations within diseased cells, or to detect the presence of c-fos
 CC RNA in a cell

XX SQ Sequence 17 BP; 2 A; 4 C; 5 G; 0 T; 6 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 57.1%; Pred. No. 2.2e+02;
 Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTCGTTCTATGCAG 1436
 ||:|:|:|:|:|
 Db 4 GUCCUUCUAGCAG 17

RESULT 78

AAV95373

ID AAV95373 standard; RNA; 17 BP.

XX AC AAV95373;

XX DT 24-FEB-1999 (first entry)

XX DE Human c-fos target sequence nucleotide position 1049.

XX KW Human; c-fos; hammerhead ribozyme; hairpin ribozyme; target site; cancer;
 KW oncogene; leukaemia; neuroblastoma; diagnosis; genetic drift; mutation;
 KW diseased cell; ss.

XX

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OS Homo sapiens.
XX
PN WO9832846-A2.
XX
XX 30-JUL-1998.
XX
XX PD PD
XX PF PF
XX PF 20-JAN-1998; 98WO-US001017.
XX
PR 23-JAN-1997; 97US-0037658P.
PR 24-DEC-1997; 97US-00998099.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Jarvis T, Mcswiggen JA, Stinchcomb DT;
XX WPI; 1998-427942/36.
XX
XX Enzymatic nucleic acid molecules which specifically cleave RNA derived
XX from a c-fos gene - useful for treating conditions related to levels of c
XX -fos, especially cancer.
XX
XX Claim 2; Page 51; 72pp; English.
XX
XX The present invention describes an enzymatic nucleic acid molecule which
XX specifically cleaves RNA derived from a c-fos gene. AAV95401 to AAV95540
XX and AAV95541 to AAV95584 represent hammerhead ribozymes and hairpin
XX ribozymes, respectively, which specifically cleave human c-fos. AAV95261
XX to AAV95400 and AAV95585 to AAV95628 represent human c-fos target
XX sequences. The enzymatic nucleic acid molecules can be used for treating
XX cancer associated with elevated levels of c-fos oncogene, especially
XX leukaemias, neuroblastomas and lung, breast and colon cancers. The
XX ribozymes may also be used as diagnostic tools to examine genetic drift
XX and mutations within diseased cells, or to detect the presence of c-fos
XX RNA in a cell
XX
XX Sequence 17 BP; 2 A; 5 C; 5 G; 0 T; 5 U; 0 Other;
XX
XX Query Match 9.5%; Score 12.4; DB 1; Length 17;
XX Best Local Similarity 57.1%; Pred. No. 2.2e+02;
XX Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 1423 GTCGTTCTATGACG 1436
XX |:|:|:|:|:|
XX Db 3 GUCCUUCUAGCAG 16
XX
XX RESULT 79
XX AAV95374
XX ID AAV95374 standard; RNA; 17 BP.
XX
XX AC AAV95374;
XX
XX DT 24-FEB-1999 (first entry)
XX
XX DE Human c-fos target sequence nucleotide position 1051.
XX
XX KW Human; c-fos; hammerhead ribozyme; hairpin ribozyme; target site; cancer;
XX oncogene; leukaemia; neuroblastoma; diagnosis; genetic drift; mutation;
XX diseased cell; ss.
XX
XX OS Homo sapiens.
XX
XX PN WO9832846-A2.
XX
XX PD 30-JUL-1998.
XX
XX PF 20-JAN-1998; 98WO-US001017.
XX
XX PR 23-JAN-1997; 97US-0037658P.
XX 24-DEC-1997; 97US-00998099.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Jarvis T, Mcswiggen JA, Stinchcomb DT;
XX WPI; 1998-427942/36.
XX
XX Enzymatic nucleic acid molecules which specifically cleave RNA derived
XX from a c-fos gene - useful for treating conditions related to levels of c
XX -fos, especially cancer.
XX
XX Claim 2; Page 51; 72pp; English.
XX
XX The present invention describes an enzymatic nucleic acid molecule which
XX specifically cleaves RNA derived from a c-fos gene. AAV95401 to AAV95540
XX and AAV95541 to AAV95584 represent hammerhead ribozymes and hairpin
XX ribozymes, respectively, which specifically cleave human c-fos. AAV95261
XX to AAV95400 and AAV95585 to AAV95628 represent human c-fos target
XX sequences. The enzymatic nucleic acid molecules can be used for treating
XX cancer associated with elevated levels of c-fos oncogene, especially
XX leukaemias, neuroblastomas and lung, breast and colon cancers. The
XX ribozymes may also be used as diagnostic tools to examine genetic drift
XX and mutations within diseased cells, or to detect the presence of c-fos
XX RNA in a cell
XX
XX Sequence 17 BP; 2 A; 5 C; 5 G; 0 T; 5 U; 0 Other;
XX
XX Query Match 9.5%; Score 12.4; DB 1; Length 17;
XX Best Local Similarity 57.1%; Pred. No. 2.2e+02;
XX Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 1423 GTCGTTCTATGACG 1436
XX |:|:|:|:|:|
XX Db 3 GUCCUUCUAGCAG 16
XX
XX RESULT 80
XX AAF03011
XX ID AAF03011 standard; DNA; 17 BP.
XX
XX AC AAF03011;
XX
XX DT 16-FEB-2001 (first entry)
XX
XX DE Hammerhead ribozyme substrate #1306.
XX
XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
XX interferon alpha; ss.
XX
XX OS Homo sapiens.
XX
XX PN WO2000061729-A2.
XX
XX PD 19-OCT-2000.
XX
XX PF 11-APR-2000; 2000WO-US009721.
XX
XX PR 12-APR-1999; 99US-0129390P.
XX
XX PA (RIBO-) RIBOZYME PHARM INC.
XX
XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX
XX Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX useful for producing e.g. granulocyte colony stimulating factor protein,
XX interferon alpha and erythropoietin.
XX
XX Claim 37; Page 85; 164pp; English.
XX
XX The present invention relates to enzymatic and antisense nucleic acid
XX molecules that act as inhibitors of the expression of repressor genes
XX encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
XX factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
XX Inhibition of the repressors removes prevents inhibition (and

```

CC consequently increases expression of) genes involved in the production of
 CC erythropoietin, granulocyte colony stimulating factor protein and
 CC interferon alpha

XX SQ Sequence 17 BP; 3 A; 4 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.5%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 2.2e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1382 CGTCTCTGATCAA 1395

DB 4 CTTCTCTGATCAA 17

RESULT 81

AAF04292

ID AAF04292 standard; DNA; 17 BP.

XX AC

AAF04292;

XX DT

16-FEB-2001 (first entry)

XX DE

Hammerhead ribozyme substrate #1808.

XX KW

Ribozyme; erythropoietin; granulocyte colony stimulating factor;

XX KW

interferon alpha; ss.

XX OS

Homo sapiens.

XX PN

WO200061729-A2.

XX PD

19-OCT-2000.

XX PF

11-APR-2000; 2000WO-US009721.

XX PR

12-APR-1999; 99US-0129390P.

XX PA

(RIBO-) RIBOZYME PHARM INC.

XX PI

Blatt L, Zwick M, Pavco P, Mcswiggen J;

XX DR

WPI; 2000-647423/62.

XX PT

Enzymatic and antisense nucleic acid inhibition of repressor genes,

XX PT

useful for producing e.g. granulocyte colony stimulating factor protein,

XX PS

interferon alpha and erythropoietin.

XX PS

Claim 4; Page 97; 164pp; English.

XX CC

The present invention relates to enzymatic and antisense nucleic acid

XX CC

molecules that act as inhibitors of the expression of repressor genes

XX CC

encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription

XX CC

factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).

XX CC

Inhibition of the repressors removes prevents inhibition (and

XX CC

consequently increases expression of) genes involved in the production of

XX CC

erythropoietin, granulocyte colony stimulating factor protein and

XX CC

interferon alpha

XX SQ

Sequence 17 BP; 8 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match

Best Local Similarity 9.5%; Score 12.4; DB 1; Length 17;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTTCCA 1366

DB 1 AGAAAAATCTTCCA 14

RESULT 82

AAF04740

ID AAF04740 standard; DNA; 17 BP.

XX AC

AAF04740;

XX DT

16-FEB-2001 (first entry)

XX DE

Hammerhead ribozyme substrate #2256.

XX KW

Ribozyme; erythropoietin; granulocyte colony stimulating factor;

XX KW

interferon alpha; ss.

XX OS

Homo sapiens.

XX PN

WO200061729-A2.

XX PD

19-OCT-2000.

XX PF

11-APR-2000; 2000WO-US009721.

XX PR

12-APR-1999; 99US-0129390P.

XX PA

(RIBO-) RIBOZYME PHARM INC.

XX PI

Blatt L, Zwick M, Pavco P, Mcswiggen J;

XX DR

WPI; 2000-647423/62.

XX PT

Enzymatic and antisense nucleic acid inhibition of repressor genes,

XX PT

useful for producing e.g. granulocyte colony stimulating factor protein,

XX PS

interferon alpha and erythropoietin.

XX PS

Claim 4; Page 107; 164pp; English.

XX CC

The present invention relates to enzymatic and antisense nucleic acid

XX CC

molecules that act as inhibitors of the expression of repressor genes

XX CC

encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription

XX CC

factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).

XX CC

Inhibition of the repressors removes prevents inhibition (and

XX CC

consequently increases expression of) genes involved in the production of

XX CC

erythropoietin, granulocyte colony stimulating factor protein and

XX SQ

Sequence 17 BP; 8 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match

Best Local Similarity 9.5%; Score 12.4; DB 1; Length 17;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTTCCA 1366

DB 1 AGAAAAATCTTCCA 14

RESULT 83

AAF03012

ID AAF03012 standard; DNA; 17 BP.

XX AC

AAF03012;

XX DT

16-FEB-2001 (first entry)

XX DE

Hammerhead ribozyme substrate #1307.

XX KW

Ribozyme; erythropoietin; granulocyte colony stimulating factor;

XX KW

interferon alpha; ss.

XX OS

Homo sapiens.

XX PN

WO200061729-A2.

XX PD

19-OCT-2000.

XX PF

11-APR-2000; 2000WO-US009721.

XX XX

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PR 12-APR-1999; 99US-0129390P.
XX (RIBO-) RIBOZYME PHARM INC.
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX Claim 37; Page 85; 164pp; English.
XX The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
XX Sequence 17 BP; 3 A; 4 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1382 CGTCTTCTGTGACAA 1395
Db 3 CTTCTTCTGTGACAA 16
RESULT 84
ABV79888/c
ID ABV79888 standard; DNA; 17 BP.
XX
XX ABV79888;
XX
XX 03-JAN-2003 (first entry)
XX Human HTPL scanning oligonucleotide SEQ ID 1134.
XX Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
XX human testis expressed Patched like protein; testis; adrenal; liver;
XX male germ cell development; bone marrow; brain; kidney; lung; placenta;
XX prostate; skeletal muscle; colon; male infertility; cancer; ss.
XX Homo sapiens.
XX
XX EP1229046-A2.
XX
XX 07-AUG-2002.
XX
XX 28-JAN-2002; 2002EP-00001167.
XX
XX 30-JAN-2001; 2001WO-US000663.
XX 30-JAN-2001; 2001WO-US000664.
XX 30-JAN-2001; 2001WO-US000665.
XX 30-JAN-2001; 2001WO-US000667.
XX 30-JAN-2001; 2001WO-US000668.
XX 30-JAN-2001; 2001WO-US000669.
XX 23-MAY-2001; 2001US-00864761.
XX 09-OCT-2001; 2001US-0327898P.
XX (AEOM-) AEOMICA INC.
XX
XX Zhan J;
XX
XX WPI; 2002-676582/73.
XX
XX Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and
PT for treating subjects having defects in HTPL.
XX
XX Example 2; Page 212; 718pp; English.
XX The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and ABV98519 to ABV98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC therapy and manufacture of a medicament for treatment or prevention of
CC such disorder associated with decreased expression or activity of human
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX
XX Sequence 17 BP; 4 A; 3 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAAAAT 1470
Db 14 TTGATCAAGCAAAAT 1
RESULT 85
ABV79887/c
ID ABV79887 standard; DNA; 17 BP.
XX
XX ABV79887;
XX
XX 03-JAN-2003 (first entry)
XX Human HTPL scanning oligonucleotide SEQ ID 1133.
XX Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1;
XX human testis expressed Patched like protein; testis; adrenal; liver;
XX male germ cell development; bone marrow; brain; kidney; lung; placenta;
XX prostate; skeletal muscle; colon; male infertility; cancer; ss.
XX Homo sapiens.
XX
XX EP1229046-A2.
XX
XX 07-AUG-2002.
XX
XX 28-JAN-2002; 2002EP-00001167.
XX
XX 30-JAN-2001; 2001WO-US000663.
XX 30-JAN-2001; 2001WO-US000664.
XX 30-JAN-2001; 2001WO-US000665.
XX 30-JAN-2001; 2001WO-US000667.
XX 30-JAN-2001; 2001WO-US000668.
XX 30-JAN-2001; 2001WO-US000669.
XX 23-MAY-2001; 2001US-00864761.
XX 09-OCT-2001; 2001US-0327898P.
XX (AEOM-) AEOMICA INC.
XX
XX Zhan J;
XX
XX WPI; 2002-676582/73.
XX
XX Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and
PT for treating subjects having defects in HTPL.
XX
XX Example 2; Page 212; 718pp; English.
XX The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and ABV98519 to ABV98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC therapy and manufacture of a medicament for treatment or prevention of
CC such disorder associated with decreased expression or activity of human
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX
XX Sequence 17 BP; 4 A; 3 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAAAAT 1470
Db 14 TTGATCAAGCAAAAT 1
```


XX Novel isolated human testis expressed Patched like protein (HTPL), useful
PT for identifying agonist and antagonist and specific binding partners, and
PT for treating subjects having defects in HTPL.
XX
XX Example 2; Page 212; 718pp; English.
XX
CC The present invention relates to human testis expressed Patched like
CC protein (HTPL, see ABV78759 to ABV78762 and ABV98519 to ABV98520). HTPL
CC has two isoforms, with a few single base pair differences between the
CC two. One of the single base pair changes introduces a premature stop
CC codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL
CC shares an overall structure organisation with the Patched protein. The
CC shared structural features strongly imply that HTPL plays a role similar
CC to that of Patched, and is a potential tumour suppressor. HTPL is
CC important in regulating male germ cell development, and the HTPL gene was
CC mapped to human chromosome 10p12.1. HTPL and its coding sequence are
CC useful for diagnosing a disorder caused by mutation in HTPL, and in
CC therapy and manufacture of a medicament for treatment or prevention of
CC such disorder associated with decreased expression or activity of human
CC HTPL. Such disorders include disorders of testis, or adrenal, adult and
CC foetal liver, bone marrow, brain, kidney, lung, placenta, prostate,
CC skeletal muscle or colon function. HTPL proteins and nucleic acids are
CC clinically useful diagnostic markers and potential therapeutic agents for
CC male infertility and cancer. The present oligonucleotide was used in an
CC example from the invention
XX
SQ Sequence 17 BP; 4 A; 4 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1457 TTGATCAAGCAAT 1470
|||||
DB 15 TTGATCGAGCAAT 2
RESULT 86
ACDS7592
ID ACDS7592 standard; RNA; 17 BP.
XX
XX AC
XX ACDS7592;
XX
DT 23-SEP-2003 (first entry)
XX
XX DE HCV DNzyme substrate sequence #402.
XX
XX Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
KW RNA stability; RNA expression; RNA synthesis; antisense;
KW enzymatic nucleic acid; hammerhead ribozyme; DNzyme; inozyme; zinzyme;
KW amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
KW HBV reverse transcriptase; Enhancer I region; viral replication;
KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
KW virucide; antiinflammatory; substrate; ss.
XX
XX Hepatitis C virus.
OS
XX WO200281494-A1.
XX
XX PD 17-OCT-2002.
XX
XX 26-MAR-2002; 2002WO-US009187.
XX
XX 26-MAR-2001; 2001US-00817879.
XX
XX 08-JUN-2001; 2001US-00877478.
XX
XX 08-JUN-2001; 2001US-0296876P.
XX
XX 24-OCT-2001; 2001US-0335059P.
XX
XX 05-DEC-2001; 2001US-0337055P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
PA (BLAT/) BLATT L.
PA

(WACE/) MACEJAK D.
(MCSW/) MCSWIGGEN J.
(MORR/) MORRISSEY D.
(PAVC/) PAVCO P.
(LEEP/) LEE P.
(DRAP/) DRAPER K.
(ROBE/) ROBERTS E.
XX
XX Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
XX Draper K, Roberts E;
XX WPI; 2003-229207/22.
XX Novel compound useful for treating cirrhosis, liver failure,
XX hepatocellular carcinoma, or condition associated with hepatitis C virus
XX infection.
XX
XX Claim 1; Page 241; 387pp; English.
XX
XX The present invention relates to nucleic acid molecules which modulate
XX the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
XX Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
XX and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
XX inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
XX are nucleic acid decoy molecules and aptamers that bind to HBV reverse
XX transcriptase and/or HBV reverse transcriptase primer sequences, as well
XX as oligonucleotides that specifically bind the Enhancer I region of HBV
XX DNA. The nucleic acids may be used to modulate the expression of HBV
XX genes and HBV viral replication. Also disclosed is a method for screening
XX compounds and/or potential therapies directed against HBV, and compounds
XX that modulate the expression and/or replication of HCV. The compounds and
XX methods of the invention are useful for the treatment of degenerative and
XX disease states related to HBV and HCV infection, replication and gene
XX expression such as cirrhosis, liver failure, and hepatocellular
XX carcinoma. The present sequence represents a substrate for one of the HCV
XX DNzyme or minus strand DNzyme sequences disclosed in the present
XX invention
XX
SQ Sequence 17 BP; 5 A; 5 C; 2 G; 0 T; 5 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 64.3%; Pred. No. 2.2e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 1426 GTTCTATGCAGACA 1439
|::|::|::|::|
DB 4 GUUCUUGCACACA 17
RESULT 87
ACDS7593
ID ACDS7593 standard; RNA; 17 BP.
XX
XX AC
XX ACDS7593;
XX
XX 03-OCT-2003 (first entry)
XX
XX DE HCV DNzyme substrate sequence #403.
XX
XX Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
KW RNA stability; RNA expression; RNA synthesis; antisense;
KW enzymatic nucleic acid; hammerhead ribozyme; DNzyme; inozyme; zinzyme;
KW amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
KW HBV reverse transcriptase; Enhancer I region; viral replication;
KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
KW virucide; antiinflammatory; substrate; ss.
XX
XX Hepatitis C virus.
OS
XX WO200281494-A1.
XX
XX PD 17-OCT-2002.
XX

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XX 26-MAR-2002; 2002WO-US009187.
XX
XX 26-MAR-2001; 2001US-00817879.
XX
PR 08-JUN-2001; 2001US-00877478.
PR
PR 08-JUN-2001; 2001US-0296876P.
PR
PR 24-OCT-2001; 2001US-0335059P.
PR
PR 05-DEC-2001; 2001US-0337055P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
PA
PA (BLAT/) BLATT L.
PA
PA (MACE/) MACEJAK D.
PA
PA (MCSW/) MCSWIGGEN J.
PA
PA (MORR/) MORRISSEY D.
PA
PA (PAVC/) PAVCO P.
PA
PA (LEEP/) LEE P.
PA
PA (DRAP/) DRAPER K.
PA
PA (ROBE/) ROBERTS E.
XX
PI Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
PI Draper K, Roberts E;
XX
XX WPI; 2003-229207/22.
XX
XX Novel compound useful for treating cirrhosis, liver failure,
PT hepatocellular carcinoma, or condition associated with hepatitis C virus
PT infection.
XX
XX Claim 1; Page 241; 387pp; English.
XX
XX The present invention relates to nucleic acid molecules which modulate
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
CC inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
CC as oligonucleotides that specifically bind the Enhancer I region of HBV
CC DNA. The nucleic acids may be used to modulate the expression of HBV
CC genes and HBV viral replication. Also disclosed is a method for screening
CC compounds and/or potential therapies directed against HBV, and compounds
CC that modulate the expression and/or replication of HCV. The compounds and
CC methods of the invention are useful for the treatment of degenerative and
CC disease states related to HBV and HCV infection, replication and gene
CC expression such as cirrhosis, liver failure, and hepatocellular
CC carcinoma. The present sequence represents a substrate for one of the HCV
CC DNazyme or minus strand DNazyme sequences disclosed in the present
CC invention
XX
SQ Sequence 17 BP; 4 A; 4 C; 4 G; 0 T; 5 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 64.3%; Pred. No. 2.2e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1426 GTTCTATGCAGACA 1439
Db 2 GUUCUAGCACACA 15
XX
XX 30-SEP-2003 (first entry)
XX
XX HCV minus strand DNazyme substrate sequence #1876.
XX
XX Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
XX RNA stability; RNA expression; RNA synthesis; antisense;
XX enzymatic nucleic acid; hammerhead ribozyme; DNazyme; inozyme; zinzyme;

```

```

KW amberyne; G-cleaver ribozyme; decoy molecule; aptamer;
KW HBV reverse transcriptase; Enhancer I region; viral replication;
KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;
KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
KW virucide; antiinflammatory; substrate; ss.
OS Hepatitis C virus.
XX
XX WO200281494-A1.
XX
XX 17-OCT-2002.
XX
XX 26-MAR-2002; 2002WO-US009187.
XX
XX 26-MAR-2001; 2001US-00817879.
XX
PR 08-JUN-2001; 2001US-00877478.
PR
PR 08-JUN-2001; 2001US-0296876P.
PR
PR 24-OCT-2001; 2001US-0335059P.
PR
PR 05-DEC-2001; 2001US-0337055P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
PA
PA (BLAT/) BLATT L.
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PA (MACE/) MACEJAK D.
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PA (PAVC/) PAVCO P.
PA
PA (LEEP/) LEE P.
PA
PA (DRAP/) DRAPER K.
PA
PA (ROBE/) ROBERTS E.
XX
XX Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
PI Draper K, Roberts E;
XX
XX WPI; 2003-229207/22.
XX
XX Novel compound useful for treating cirrhosis, liver failure,
PT hepatocellular carcinoma, or condition associated with hepatitis C virus
PT infection.
XX
XX Claim 1; Page 308; 387pp; English.
XX
XX The present invention relates to nucleic acid molecules which modulate
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,
CC inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well
CC as oligonucleotides that specifically bind the Enhancer I region of HBV
CC DNA. The nucleic acids may be used to modulate the expression of HBV
CC genes and HBV viral replication. Also disclosed is a method for screening
CC compounds and/or potential therapies directed against HBV, and compounds
CC that modulate the expression and/or replication of HCV. The compounds and
CC methods of the invention are useful for the treatment of degenerative and
CC disease states related to HBV and HCV infection, replication and gene
CC expression such as cirrhosis, liver failure, and hepatocellular
CC carcinoma. The present sequence represents a substrate for one of the HCV
CC DNazyme or minus strand DNazyme sequences disclosed in the present
CC invention
XX
SQ Sequence 17 BP; 5 A; 3 C; 5 G; 0 T; 4 U; 0 Other;
Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1426 GTTCTATGCAGACA 1439
Db 15 GTTCTATGCAGACA 2
XX
XX RESULT 89
XX ACD65076/c

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Query Match          9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY	1379	GATCGCTTCTGAT	1392
Db	1	GATCCTCTTCTGAT	14
RESULT 91			
ADB41556/c			
ID	ADB41556 standard; DNA; 17 BP.		
XX AC	ADB41556;		
XX XX	18-DEC-2003 (revised)		
DT DT	04-DEC-2003 (first entry)		
DE DE	Tumour suppression/reversion associated nucleotide #1879.		
XX KW	cytostatic; antiviral; neuroprotective; nontropic; neuroleptic; ss;		
KW KW	primer; probe; tumour suppression; tumour reversion; apoptosis;		
KW KW	virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;		
KW KW	diagnosis.		
OS OS	Homo sapiens.		
XX PN	WO2003040369-A2.		
XX PD	15-MAY-2003.		
XX PF	17-SEP-2002; 2002WO-IB004219.		
XX PR	17-SEP-2001; 2001FR-00011981.		
PA PA	(MOLE-) MOLECULAR ENGINES LAB.		
XX PI	Telerman A, Amson R, Tuijnder M;		
XX DR	WPI; 2003-441574/41.		
PT PT	New nucleic acid encoding human prostate membrane-specific antigen,		
PT PT	useful e.g. for treatment of tumors and viral infection, also related		
XX PS	polypeptide and antibodies.		
XX PS	Disclosure; Page 251; 771pp; French.		
CC CC	The invention relates to the isolation of 6327 nucleotide sequences,		
CC CC	fragments of at least 15 consecutive nucleotides of these nucleotides, a		
CC CC	sequence having at least 80% identity, after optimal alignment, with the		
CC CC	nucleotides, a sequence that hybridizes under stringent conditions with		
CC CC	the nucleotides, or the complement, or corresponding RNA, of the		
CC CC	nucleotides. The nucleotides are used as probes or primers for detecting,		
CC CC	identifying, quantifying and/or amplifying nucleic acids, as in vitro		
CC CC	sense and antisense sequences, of nucleotides involved in tumour		
CC CC	suppression or reversion, apoptosis and or viral resistance, to produce		
CC CC	recombinant polypeptides, and to prepare transgenic animals, as		
CC CC	experimental models. The nucleotides (also vectors) containing them and		
CC CC	cells containing the vectors), the encoded polypeptides and antibodies		
CC CC	(Ab) against the polypeptide are useful for prevention and/or treatment		
CC CC	of viral infections or diseases characterized by development of tumours		
CC CC	or cell degeneration (e.g. Alzheimer's disease or schizophrenia).		
CC CC	Analysis of the expression of the nucleotides can be used for diagnosis		
CC CC	and/or prognosis of these diseases. The nucleotides and polypeptides can		
CC CC	also be used to screen for their specific interactive molecules,		
CC CC	potentially useful for treating diseases associated with abnormal		
CC CC	expression of the nucleotides.		
XX SQ	Sequence 17 BP; 3 A; 7 C; 3 G; 4 T; 0 U; 0 Other;		
Query Match	9.5%; Score 12.4; DB 1; Length 17;		
Best Local Similarity	92.9%; Pred. No. 2.2e+02;		
Matches	13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;		
QY	1449	AAGATGGGTTCATC	1462

DE Mouse flk-1 VEGF receptor hammerhead ribozyme substrate #240.
 XX
 KW Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1;
 KW KDR; hammerhead ribozyme; hairpin ribozyme; cleavage;
 KW tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease;
 KW fms-like tyrosine kinase 1; kinase insert domain containing receptor;
 KW foetal liver kinase 1; ss.
 XX
 OS Mus sp.
 XX
 PN WO9715662-A2.
 XX
 PD 01-MAY-1997.
 XX
 PF 25-OCT-1996; 96WO-US017480.
 XX
 PR 26-OCT-1995; 95US-0005974P.
 PR 11-JAN-1996; 96US-00584040.
 XX
 PA (RIBO-) RIBOZYME PHARM INC.
 PA (CHIR) CHIRON CORP.
 XX
 PI Pavco P, Mcswiggen J, Stinchcomb D, Escobedo J;
 XX WPI; 1997-259017/23.
 DR
 XX Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA
 PT stability - useful for treating e.g. tumour angiogenesis, psoriasis,
 PT rheumatoid arthritis, etc., in a human patient.
 XX
 PS Claim 4; Page 130; 218pp; English.
 XX
 CC The present invention describes nucleic acid molecules which modulate the
 CC synthesis, expression and/or stability of a mRNA encoding 1 or more
 CC receptors of vascular endothelial growth factor (VEGF). A patient
 CC (preferably human) having a condition associated with the level of the
 CC fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing
 CC receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour
 CC angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be
 CC treated by administering the nucleic acid molecule or the expression
 CC vector to the patient. AAX67275 to AAX75752 represent specific examples
 CC of nucleic acid molecules from the present invention
 XX
 SQ Sequence 17 BP; 6 A; 4 C; 4 G; 0 T; 3 U; 0 Other;
 Query Match 9.4%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 70.6%; Pred. No. 2.3e+02;
 Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
 QY 1433 GCAGACATACATACATGGA 1449
 Db 1 GCAGACAUUGCAUGCA 17
 |||||: |||: |
 RESULT 94
 AAA22769
 ID AAA22769 standard; RNA; 17 BP.
 XX
 AC AAA22769;
 XX
 XX 19-JUN-2000 (first entry)
 DT
 XX Integrin subunit beta 3 substrate sequence SEQ ID NO:5995.
 DE
 XX Human; aryl hydrocarbon nuclear transport; ARNT; TIE-2; angiogenesis;
 KW integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme;
 KW hammerhead ribozyme; angiogenic factor; cytosolic; antidiabetic;
 KW ophthalmologic; antiinflammatory; antiarthritic; antipsoriatic; ARMD;
 KW dermatological; RNA cleavage; cancer; diabetic retinopathy; arthritis;
 KW age related macular degeneration; inflammation; neovascular glaucoma;
 KW myopic degeneration; psoriasis; verruca vulgaris; angiofibroma;
 KW tubercous sclerosis; pot-wine stain; Sturge Weber syndrome;
 KW Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss.

XX Homo sapiens.
 OS
 XX WO950403-A2.
 PN
 XX 07-OCT-1999.
 PD
 XX 24-MAR-1999; 99WO-US006507.
 PF
 XX 27-MAR-1998; 98US-0079678P.
 PR
 XX (RIBO-) RIBOZYME PHARM INC.
 XX
 PI Pavco PA, Roberts E, Jarvis T, Coeshott C, Mcswiggen JA;
 XX WPI; 1999-591315/50.
 DR
 XX Novel ribozymes for modulating the synthesis, expression and/or stability
 PT of an mRNA encoding an angiogenic factors.
 XX
 PS Claim 54; Page 241; 305pp; English.
 XX
 CC The present invention describes enzymatic nucleic acid molecules with RNA
 CC cleaving activity, which specifically cleave RNA encoded by an aryl
 CC hydrocarbon nuclear transporter (ARNT) gene, an integrin subunit beta 3
 CC gene, an integrin alpha 6 subunit gene, or a Tie-2 gene. AAA16775 to
 CC AAA17167 and AAA17561 to AAA17622 represent ribozyme sequences for ARNT,
 CC and AAA17168 to AAA17560 and AAA17623 to AAA17684 represent their
 CC corresponding target sequences; AAA17685 to AAA18385 and AAA19087 to
 CC AAA19154 represent ribozyme sequences for Tie-2, and AAA18386 to AAA19086
 CC and AAA19155 to AAA19222 represent their corresponding target sequences;
 CC AAA19223 to AAA20361 and AAA21501 to AAA21595 represent ribozyme
 CC sequences for integrin alpha 6 subunit, and AAA20362 to AAA21500 and
 CC AAA21596 to AAA21688 represent their corresponding target sequences;
 CC AAA21689 to AAA22475 and AAA23263 to AAA23342 represent ribozyme sequences
 CC for integrin subunit beta 3, and AAA22476 to AAA23262, AAA23343 to
 CC AAA23422 represent their corresponding target sequences. The ribozymes of
 CC the invention are used for modulating the synthesis, expression and/or
 CC stability of an mRNA encoding angiogenic factor, especially ARNT.
 CC integrin subunit beta-3, integrin subunit alpha-6, or Tie-2. They are
 CC especially used to treat cancer, diabetic retinopathy, age related
 CC macular degeneration (ARMD), inflammation, and arthritis, as well as
 CC neovascular glaucoma, myopic degeneration, psoriasis, verruca vulgaris,
 CC angiofibroma of tuberosus sclerosis, pot-wine stains, Sturge Weber
 CC syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-Rendu syndrome,
 CC and other syndromes and diseases related to the levels of ARNT, Tie-2,
 CC integrin subunit alpha-6, or integrin subunit beta-3
 XX
 SQ Sequence 17 BP; 6 A; 0 C; 5 G; 0 T; 6 U; 0 Other;
 Query Match 9.4%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 58.8%; Pred. No. 2.3e+02;
 Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
 QY 1447 GGAAGATGGGTTCATCA 1463
 Db 1 GGAAGAUAUUGUGAUA 17
 |||||: |||: |
 RESULT 95
 AAF06329
 ID AAF06329 standard; DNA; 17 BP.
 XX
 XX AAF06329;
 AC
 XX 16-FEB-2001 (first entry)
 DT
 XX Hammerhead ribozyme substrate #3126.
 DE
 XX Ribozyme; erythropoietin; granulocyte colony stimulating factor;
 KW interferon alpha; ss.
 XX
 OS Homo sapiens.

XX	WO200061729-A2.	XX	Claim 42; Page 127; 164pp; English.	XX	Query Match	9.4%; Score 12.2; DB 1; Length 17;	XX	Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic;
XX	19-OCT-2000.	XX		XX	Best Local Similarity	52.9%; Pred. No. 2.3e+02;	XX	cerebroprotective; neurotropic; neuroprotective; antiparkinsonian;
XX	11-APR-2000; 2000WO-US009721.	XX		XX	Matches	9; Conservative	XX	muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme;
XX	12-APR-1999; 99US-0129390P.	XX		XX	Qy	1400 GGTAATTTGTTAATGA 1416	XX	DNAzyme; inozyme; G-cleaver; amberyne; zinzyme; lymphoma; NHL; lymphocytic leukaemia;
XX	(RIBO-) RIBOZYME PHARM INC.	XX		XX	Db	1 GGUAAAUUCUAAUA 17	XX	B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia;
XX	Blatt L, Zwick M, Pavco P, Mcswiggen J;	XX		XX	RESULT 96		XX	human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma;
XX	WPI; 2000-647423/62.	XX		XX	AAF06086		XX	MCL; immunocytooma; IMC; immune thrombocytopaenia; stroke; dementia;
XX	Enzymatic and antisense nucleic acid inhibition of repressor genes,	XX		XX	ID	AAF06086 standard; DNA; 17 BP.	XX	inflammatory arthropathy; central nervous system injury;
XX	interferon alpha and erythropoietin.	XX		XX	AC	AAF06086;	XX	cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis;
XX	Claim 42; Page 127; 164pp; English.	XX		XX	XX	16-FEB-2001 (first entry)	XX	chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS;
XX	The present invention relates to enzymatic and antisense nucleic acid	XX		XX	XX	Hammerhead ribozyme substrate #2883.	XX	Parkinson's disease; ataxia; Huntington's disease;
XX	molecules that act as inhibitors of the expression of repressor genes	XX		XX	XX	Ribozyme; erythropoietin; granulocyte colony stimulating factor;	XX	Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
XX	encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription	XX		XX	XX	interferon alpha; ss.	XX	Homo sapiens.
XX	factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).	XX		XX	XX	Homo sapiens.	XX	Synthetic.
XX	Inhibition of the repressors removes prevents inhibition (and	XX		XX	XX	16-AUG-2001.	XX	WO200159103-A2.
XX	consequently increases expression of) genes involved in the production of	XX		XX	XX	09-FEB-2001; 2001WO-US004273.	XX	16-AUG-2001.
XX	erythropoietin, granulocyte colony stimulating factor protein and	XX		XX	XX	11-FEB-2000; 2000US-0181797P.	XX	09-FEB-2001; 2001WO-US004273.
XX	interferon alpha	XX		XX	XX	28-FEB-2000; 2000US-0185516P.	XX	11-FEB-2000; 2000US-0181797P.
XX	Blatt L, Zwick M, Pavco P, Mcswiggen J;	XX		XX	XX	06-MAR-2000; 2000US-0187128P.	XX	28-FEB-2000; 2000US-0185516P.
XX	WPI; 2000-647423/62.	XX		XX	XX	(RIBO-) RIBOZYME PHARM INC.	XX	06-MAR-2000; 2000US-0187128P.
XX	Enzymatic and antisense nucleic acid inhibition of repressor genes,	XX		XX	XX	(BLAT/) BLATT L.	XX	(RIBO-) RIBOZYME PHARM INC.
XX	interferon alpha and erythropoietin.	XX		XX	XX	(MCSW/) MCSWIGGEN J.	XX	(BLAT/) BLATT L.
XX	Claim 42; Page 127; 164pp; English.	XX		XX	XX	(CHOW/) CHOWRIRA B M.	XX	(MCSW/) MCSWIGGEN J.
XX	The present invention relates to enzymatic and antisense nucleic acid	XX		XX	XX	Blatt L, Zwick M, Pavco P, Mcswiggen J;	XX	(CHOW/) CHOWRIRA B M.
XX	molecules that act as inhibitors of the expression of repressor genes	XX		XX	XX	WPI; 2001-607195/69.	XX	Blatt L, Mcswiggen J, Chowrira BM;
XX	encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription	XX		XX	XX	Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense	XX	WPI; 2001-607195/69.
XX	factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).	XX		XX	XX	constructs, which down regulate expression of a CD20 gene or neurite	XX	Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense
XX	Inhibition of the repressors removes prevents inhibition (and	XX		XX	XX	growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and	XX	constructs, which down regulate expression of a CD20 gene or neurite
XX	consequently increases expression of) genes involved in the production of	XX		XX	XX	central nervous system injury.	XX	growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
XX	erythropoietin, granulocyte colony stimulating factor protein and	XX		XX	XX		XX	central nervous system injury.
XX	interferon alpha	XX		XX	XX		XX	central nervous system injury.
XX	Blatt L, Zwick M, Pavco P, Mcswiggen J;	XX		XX	XX		XX	central nervous system injury.
XX	WPI; 2000-647423/62.	XX		XX	XX		XX	central nervous system injury.
XX	Enzymatic and antisense nucleic acid inhibition of repressor genes,	XX		XX	XX		XX	central nervous system injury.
XX	interferon alpha and erythropoietin.	XX		XX	XX		XX	central nervous system injury.
XX	Claim 42; Page 127; 164pp; English.	XX		XX	XX		XX	central nervous system injury.
XX	The present invention relates to enzymatic and antisense nucleic acid	XX		XX	XX		XX	central nervous system injury.
XX	molecules that act as inhibitors of the expression of repressor genes	XX		XX	XX		XX	central nervous system injury.
XX	encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription	XX		XX	XX		XX	central nervous system injury.
XX	factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).	XX		XX	XX		XX	central nervous system injury.
XX	Inhibition of the repressors removes prevents inhibition (and	XX		XX	XX		XX	central nervous system injury.
XX	consequently increases expression of) genes involved in the production of	XX		XX	XX		XX	central nervous system injury.
XX	erythropoietin, granulocyte colony stimulating factor protein and	XX		XX	XX		XX	central nervous system injury.
XX	interferon alpha	XX		XX	XX		XX	central nervous system injury.
XX	Blatt L, Zwick M, Pavco P, Mcswiggen J;	XX		XX	XX		XX	central nervous system injury.
XX	WPI; 2000-647423/62.	XX		XX	XX		XX	central nervous system injury.

```

PS Claim 30; Page 148; 200pp; English.
XX
CC The invention relates to a nucleic acid molecule which down regulates
CC expression of a CD20 gene and a nucleic acid molecule which down
CC regulates expression of a neurite growth inhibitor gene (NOGO). The
CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a
CC DNzyme) an inozyme (an endolytic nucleic acid cleaving an RNA molecule
CC possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) pr
CC an amberzyme (cleaving RNA with an NGN triplet), a zynzyme (cleaving RNA
CC with a YGY motif). The CD20-targeting nucleic acid is used to cleave RNA
CC of CD20 in the presence of a divalent cation that is preferably Mg2+.
CC Furthermore, it may be contacted with a cell to reduce CD20 activity of
CC the cell and treat a patient having a condition associated with the level
CC of CD20. The treatment may further comprise the use of one or more
CC therapies. In particular, the CD20 targeting nucleic acid may be used to
CC treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-
CC Hodgkin's lymphoma (NHL), bulky low-grade or follicular NHL, lymphocytic
CC leukaemia, HIV (human immunodeficiency virus) associated NHL, mantle-cell
CC lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma,
CC immune thrombocytopaenia, and inflammatory arthropathy. The NOGO-
CC targeting nucleic acid is used to cleave RNA of the NOGO gene in the
CC presence of a divalent cation that is preferably Mg2+. Furthermore, the
CC nucleic acid may be contacted with a cell to reduce NOGO activity of the
CC cell and treat a patient having a condition associated with the level of
CC NOGO. The treatment may further comprise the use of one or more
CC therapies. In particular, the NOGO-targeting nucleic acid may be used to
CC treat central nervous system (CNS) injury and cerebrovascular accident
CC (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS),
CC chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS),
CC Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob
CC disease, muscular dystrophy, and/or other neurodegenerative disease
CC states which respond to the modulation of NOGO expression. The present
CC sequence is an inozyme of the invention
XX
SQ Sequence 17 BP; 5 A; 5 C; 4 G; 0 T; 3 U; 0 Other;
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1384 TCTTCTGATCAAGGAG 1400
DB 17 TCTTCTGTCACAGAG 1
RESULT 98
ABK01312/C
ID ABK01312 standard; RNA; 17 BP.
AC ABK01312;
XX
XX 12-MAR-2002 (first entry)
XX
XX Human NOGO Inozyme #582.
XX
KW Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic;
KW cerebroprotective; nootropic; neuroprotective; antiparkinsonian;
KW muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme;
KW DNzyme; inozyme; G-cleaver; amberzyme; zynzyme; lymphoma; leukaemia;
KW B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia;
KW human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma;
KW MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia;
KW inflammatory arthropathy; central nervous system injury;
KW cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis;
KW chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS;
KW Parkinson's disease; ataxia; Huntington's disease;
KW Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
XX
OS Homo sapiens.
OS Synthetic.
XX
XX WO200159103-A2.
XX

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PD 16-AUG-2001.
XX
PF 09-FEB-2001; 2001WO-US004273.
XX
PR 11-FEB-2000; 2000US-0181797P.
PR 28-FEB-2000; 2000US-0185516P.
PR 06-MAR-2000; 2000US-0187128P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (BLAT/) BLATT L.
PA (MCSW/) MCSWIGGEN J.
PA (CHOW/) CHOWRIRA B M.
XX
PI Blatt L, Mcswiggen J, Chowrira BM;
XX
DR WPI; 2001-607195/69.
XX
PT Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense
PT constructs, which down regulate expression of a CD20 gene or neurite
PT growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
PT central nervous system injury.
XX
PS Claim 88; Page 87; 200pp; English.
XX
CC The invention relates to a nucleic acid molecule which down regulates
CC expression of a CD20 gene and a nucleic acid molecule which down
CC regulates expression of a neurite growth inhibitor gene (NOGO). The
CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a
CC DNzyme) an inozyme (an endolytic nucleic acid cleaving an RNA molecule
CC possessing an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) pr
CC an amberzyme (cleaving RNA with an NGN triplet), a zynzyme (cleaving RNA
CC with a YGY motif). The CD20-targeting nucleic acid is used to cleave RNA
CC of CD20 in the presence of a divalent cation that is preferably Mg2+.
CC Furthermore, it may be contacted with a cell to reduce CD20 activity of
CC the cell and treat a patient having a condition associated with the level
CC of CD20. The treatment may further comprise the use of one or more
CC therapies. In particular, the CD20 targeting nucleic acid may be used to
CC treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-
CC Hodgkin's lymphoma (NHL), bulky low-grade or follicular NHL, lymphocytic
CC leukaemia, HIV (human immunodeficiency virus) associated NHL, mantle-cell
CC lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma,
CC immune thrombocytopaenia, and inflammatory arthropathy. The NOGO-
CC targeting nucleic acid is used to cleave RNA of the NOGO gene in the
CC presence of a divalent cation that is preferably Mg2+. Furthermore, the
CC nucleic acid may be contacted with a cell to reduce NOGO activity of the
CC cell and treat a patient having a condition associated with the level of
CC NOGO. The treatment may further comprise the use of one or more
CC therapies. In particular, the NOGO-targeting nucleic acid may be used to
CC treat central nervous system (CNS) injury and cerebrovascular accident
CC (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS),
CC chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS),
CC Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob
CC disease, muscular dystrophy, and/or other neurodegenerative disease
CC states which respond to the modulation of NOGO expression. The present
CC sequence is an inozyme of the invention
XX
SQ Sequence 17 BP; 4 A; 5 C; 2 G; 0 T; 6 U; 0 Other;
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1388 CTGATCAAGGAGTAA 1404
DB 17 CTGATCAATGAGGAA 1
RESULT 99
ABK18533
ID ABK18533 standard; RNA; 17 BP.
XX
XX ABK18533;
XX

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DT 09-APR-2002 (first entry)
DE Human ERG G-cleaver ribozyme target sequence Seq ID No 1180.
XX
KW Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW vulnaray; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW tumour angiogenesis; diabetic retinopathy; macular degeneration;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberosus sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.
XX
OS Homo sapiens.
XX
PN WO200188124-A2.
XX
PD 22-NOV-2001.
XX
PF 16-MAY-2001; 2001WO-US015866.
XX
PR 16-MAY-2000; 2000US-00572021.
XX
PA (RIBO-) RIBOZYME PHARM INC.
PA (GLAX ) GLAXO GROUP LTD.
XX
PI Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;
XX WPI; 2002-082995/11.
XX
DR Novel polynucleotide which down regulates expression of Ets-related gene,
XX useful for treating cancer, diabetic retinopathy, macular degeneration,
XX arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
XX
PS Claim 4; Page 80; 149pp; English.
XX
CC The invention relates to a nucleic acid molecule (I) which down regulates
CC expression of an Ets-related gene (ERG). (I) is useful for treating
CC conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
CC tumour angiogenesis, diabetic retinopathy, macular degeneration,
CC neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
CC vulgaris, angiofibroma of tuberosus sclerosis, port-wine stains, Sturge
CC Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
CC syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
CC treating a patient having a condition associated with the level of ERG,
CC by contacting cells of the patient with (I) under conditions suitable for
CC the treatment. The method comprises the use of one or more therapies
CC under conditions suitable for the treatment. Leukaemia or tumour
CC angiogenesis is treated by administering (I) to the patient in
CC conjunction with one or more of other therapies such as radiation or
CC chemotherapy treatment. (I) is useful for reducing ERG activity in a
CC cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
CC ERG gene, by contacting (I) with RNA, in the presence of a divalent
CC cation such as Mg2+. (I) is useful for diagnosis of conditions and
CC diseases related to the expression of ERG, and as diagnostic tool to
CC examine genetic drift and mutations within diseased cells or to detect
CC the presence of ERG RNA in a cell. (I) is useful for specifically
CC targeting genes that share homology with ERG gene or ERG fusion genes.
CC ABK17354-ABK22719 represent nucleic acids, including antisense and
CC enzymatic nucleic acid molecules which regulate expression of ERG, and
CC related PCR primers of the invention
XX
SQ Sequence 17 BP; 4 A; 2 C; 7 G; 0 T; 4 U; 0 Other;
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 2.3e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATGACCAG 1423
DB 1 UUGUGAGUGAGGACCAG 17

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RESULT 100

ABK19156
ID ABK19156 standard; RNA; 17 BP.

XX
AC ABK19156;

DT 09-APR-2002 (first entry)

XX Human ERG Amberzyme target sequence Seq ID No 1803.

XX Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic;
KW ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic;
KW tumour angiogenesis; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis;
KW neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris;
KW angiofibroma of tuberosus sclerosis; port-wine stain; wound healing;
KW Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
KW Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNazyme; inozyme;
KW amberzyme.

XX Homo sapiens.

XX WO200188124-A2.

XX 22-NOV-2001.

XX 16-MAY-2001; 2001WO-US015866.

XX 16-MAY-2000; 2000US-00572021.

XX (RIBO-) RIBOZYME PHARM INC.
XX (GLAX) GLAXO GROUP LTD.

XX Jarvis T, Von Carlowitz I, Mcswiggen JA, McLaughlin F, Randi AM;

XX WPI; 2002-082995/11.

XX Novel polynucleotide which down regulates expression of Ets-related gene,
XX useful for treating cancer, diabetic retinopathy, macular degeneration,
XX arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.

XX Claim 4; Page 121; 149pp; English.

XX The invention relates to a nucleic acid molecule (I) which down regulates
XX expression of an Ets-related gene (ERG). (I) is useful for treating
XX conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma,
XX tumour angiogenesis, diabetic retinopathy, macular degeneration,
XX neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca
XX vulgaris, angiofibroma of tuberosus sclerosis, port-wine stains, Sturge
XX Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu
XX syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for
XX treating a patient having a condition associated with the level of ERG,
XX by contacting cells of the patient with (I) under conditions suitable for
XX the treatment. The method comprises the use of one or more therapies
XX under conditions suitable for the treatment. Leukaemia or tumour
XX angiogenesis is treated by administering (I) to the patient in
XX conjunction with one or more of other therapies such as radiation or
XX chemotherapy treatment. (I) is useful for reducing ERG activity in a
XX cell, by contacting the cell with (I). (I) is useful for cleaving RNA of
XX ERG gene, by contacting (I) with RNA, in the presence of a divalent
XX cation such as Mg2+. (I) is useful for diagnosis of conditions and
XX diseases related to the expression of ERG, and as diagnostic tool to
XX examine genetic drift and mutations within diseased cells or to detect
XX the presence of ERG RNA in a cell. (I) is useful for specifically
XX targeting genes that share homology with ERG gene or ERG fusion genes.
XX ABK17354-ABK22719 represent nucleic acids, including antisense and
XX enzymatic nucleic acid molecules which regulate expression of ERG, and
XX related PCR primers of the invention

XX SQ Sequence 17 BP; 4 A; 3 C; 7 G; 0 T; 3 U; 0 Other;

Query Match 9.4%; Score 12.2; DB 1; Length 17;

XX ACC51977;
AC
XX
XX 27-JUN-2003 (first entry)
DT
XX
XX Human tumour suppressor sequence #744.
DE
XX
XX ss: tumour suppressor; antitumour; cytostatic; tumour suppression;
KW tumour regression; apoptosis; virus resistance; diagnosis;
KW cellular degeneration.
XX
XX Homo sapiens.
OS
XX
XX FR2826373-A1.
PN
XX
XX 27-DEC-2002.
PD
XX
XX 20-JUN-2001; 2001FR-00008139.
PF
XX
XX 20-JUN-2001; 2001FR-00008139.
PR
XX
XX (MOLE-) MOLECULAR ENGINES LAB SA.
PA
XX
XX Tuijnder M, Telerman A, Amson R;
PI
XX
XX WPI; 2003-250498/25.
DR
XX
XX New nucleic acid sequences associated with tumor suppression, regression,
PT apoptosis or virus resistance are useful to diagnose and treat viral
PT disease, development of tumor cells and cell degeneration.
PT
XX
XX Claim 1; Page 212; 798pp; French.
PS
XX
XX This sequence represents an isolated nucleic acid sequence associated
CC with tumour suppression or regression, apoptosis or virus resistance. The
CC invention relates to these sequences or sequences having at least 80%
CC identity to them, and polypeptides encoded by the sequences or
CC polypeptides having 80% identity to the polypeptide sequences. The
CC invention is used to diagnose or treat viral disease or disease
CC characterized by development of tumour cells or cellular degeneration
CC
XX
XX Sequence 17 BP; 4 A; 6 C; 1 G; 6 T; 0 U; 0 Other;
SQ
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1379 GATCGTCTCTGATCAA 1395
Db 1 GATCATCTCTCTCTCAA 17
RESULT 104
ACA99709
ID ACA99709 standard; DNA; 17 BP.
XX
XX
XX ACA99709;
AC
XX
XX 28-JUL-2003 (first entry)
DT
XX
XX G-protein coupled receptor GPCR-A-1 analysis oligonucleotide #202.
DE
XX
XX Human; G-protein coupled receptor; GPCR-A-1; cancer; tumour;
KW G-Protein-Agonist; G-Protein-Antagonist; gene therapy; cytostatic; ss.
KW
XX
XX Homo sapiens.
OS
XX
XX WO2003031621-A2.
PN
XX
XX 17-APR-2003.
PD
XX
XX 11-OCT-2002; 2002WO-US032599.
PF
XX
XX

PR 12-OCT-2001; 2001US-0329000P.
XX
XX (AMSH) AMERSHAM BIOSCIENCES SV CORP.
PA
XX
XX Zhang J;
PI
XX
XX WPI; 2003-381720/36.
DR
XX
XX New GPCR-A-1 nucleic acid and polypeptide, useful for diagnosing,
PT investigating and/or treating disorders associated with aberrant
PT expression or activity of GPCR-A-1, such as tumors and cancers.
PT
XX
XX Example 2; SEQ ID NO 226; 156pp; English.
PS
XX
XX The invention describes an isolated nucleic acid encoding a G protein
CC coupled receptor (GPCR), mutations of which cause cancer, comprising a
CC 2225 or 1921 base pair sequence, or their degenerate variants, encoding a
CC 409 residue amino acid sequence, all given in the specification, with or
CC without conservative amino acid substitutions, or complements of the
CC sequence of them. The encoding nucleic acid is not more than 100 kb in
CC length. The methods and compositions of the present invention are useful
CC for diagnosing, investigating and/or treating disorders associated with
CC aberrant expression or activity of GPCR-A-1, such as tumors and cancers.
CC This sequence represents an oligonucleotide used to analyse the gene
CC encoding human G-protein coupled receptor GPCR-A-1
XX
XX Sequence 17 BP; 2 A; 3 C; 6 G; 6 T; 0 U; 0 Other;
SQ
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1385 CTTCTGATCAAGAGG 1401
Db 1 CTTCTGATCAAGAGG 17
RESULT 105
ABT36584
ID ABT36584 standard; DNA; 17 BP.
XX
XX
XX ABT36584;
AC
XX
XX 12-JUN-2003 (first entry)
DT
XX
XX Tumour suppression related human fukutin oligo SEQ ID No 2221.
DE
XX
XX Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; protein chip; gene therapy; tumour suppression;
KW human fukutin; ds.
XX
XX Homo sapiens.
OS
XX
XX WO2003025175-A2.
PN
XX
XX 27-MAR-2003.
PD
XX
XX 17-SEP-2002; 2002WO-IB004208.
PF
XX
XX 17-SEP-2001; 2001FR-00011978.
PR
XX
XX (MOLE-) MOLECULAR ENGINES LAB.
PA
XX
XX Telerman A, Amson R, Tuijnder M;
PI
XX
XX WPI; 2003-313353/30.
DR
XX
XX New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
PT
XX
XX Disclosure; Page 292; 720pp; French.
PS

XX The invention relates to a novel isolated 17 mer nucleic acid sequence,
 CC given in the specification, a sequence containing at least 15 consecutive
 CC nucleotides from the 17 mer sequence, a sequence with, after optimal
 CC alignment, at least 80 % identity to the 17 mer sequence, a sequence that
 CC hybridizes to them under highly stringent conditions, or the complement
 CC of any of them, or the corresponding RNA. The novel isolated nucleic
 CC acids of the invention are useful as probes and primers for detecting,
 CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
 CC component of a gene chip, in vitro as (anti)sense reagents, and for
 CC production of recombinant polypeptides. Any of the nucleic acids,
 CC polypeptides, vectors containing the nucleic acids, cells containing the
 CC vector or antibodies directed against the polypeptides are useful for
 CC preparation of pharmaceuticals for prevention and/or treatment of viral
 CC diseases that are characterised by development of tumours or cell
 CC degeneration, specifically cancer but also Alzheimer's disease and
 CC schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
 CC patient samples is useful for diagnosis and/or prognosis of these
 CC diseases. The polypeptides can also be used to generate antibodies, and
 CC both the polypeptide and antibodies are useful as components of protein
 CC chips. The nucleic acid sequences of the invention can be used in gene
 CC therapy. This polynucleotide sequence represents a tumour suppression
 CC related human fukutin oligonucleotide of the invention
 XX

XX Sequence 17 BP; 4 A; 4 C; 4 G; 5 T; 0 U; 0 Other;
 Query Match 9.4%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.3e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1379 GATCGCTTCTGATCAA 1395
 |||||
 DB 1 GATCCTGTTCTGAGCA 17

RESULT 106
 ABT38096
 ID ABT38096 standard; DNA; 17 BP.
 AC ABT38096;
 XX
 DT 12-JUN-2003 (first entry)
 XX

Tumour suppression related human fukutin oligo SEQ ID No 1733.
 DE
 XX
 XX Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip;
 KW antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease;
 KW schizophrenia; protein chip; gene therapy; tumour suppression;
 KW human fukutin; ds.
 XX
 XX Homo sapiens.
 OS
 XX WO2003025175-A2.
 PN
 XX 27-MAR-2003.
 PD
 XX 17-SEP-2002; 2002WO-IB004208.
 PF
 XX 17-SEP-2001; 2001FR-00011978.
 PR
 XX (MOLE-) MOLECULAR ENGINES LAB.
 PA
 XX Telerman A, Anson R, Tuijnder M;
 PI
 XX WPI; 2003-313353/30.
 DR
 XX New isolated nucleic acid, useful for treating viral diseases associated
 XX with tumors and cell degeneration, also related polypeptides, antibodies
 PT and transfected cells.
 PT
 XX Disclosure; Page 470; 720pp; French.
 PS
 XX The invention relates to a novel isolated 17 mer nucleic acid sequence,
 CC

CC given in the specification, a sequence containing at least 15 consecutive
 CC nucleotides from the 17 mer sequence, a sequence with, after optimal
 CC alignment, at least 80 % identity to the 17 mer sequence, a sequence that
 CC hybridizes to them under highly stringent conditions, or the complement
 CC of any of them, or the corresponding RNA. The novel isolated nucleic
 CC acids of the invention are useful as probes and primers for detecting,
 CC identifying, quantifying and/or amplifying a nucleic acid, e.g. as one
 CC component of a gene chip, in vitro as (anti)sense reagents, and for
 CC production of recombinant polypeptides. Any of the nucleic acids,
 CC polypeptides, vectors containing the nucleic acids, cells containing the
 CC vector or antibodies directed against the polypeptides are useful for
 CC preparation of pharmaceuticals for prevention and/or treatment of viral
 CC diseases that are characterised by development of tumours or cell
 CC degeneration, specifically cancer but also Alzheimer's disease and
 CC schizophrenia. Analysis of the expression of the 17 mer nucleic acids in
 CC patient samples is useful for diagnosis and/or prognosis of these
 CC diseases. The polypeptides can also be used to generate antibodies, and
 CC both the polypeptide and antibodies are useful as components of protein
 CC chips. The nucleic acid sequences of the invention can be used in gene
 CC therapy. This polynucleotide sequence represents a tumour suppression
 CC related human fukutin oligonucleotide of the invention
 XX

XX Sequence 17 BP; 10 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
 Query Match 9.4%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.3e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1390 GATCAAAGGAGGTAAAA 1406
 |||||
 DB 1 GATCAAAGGAGGAAGA 17

RESULT 107
 ACA06833/c
 ID ACA06833 standard; RNA; 17 BP.
 AC ACA06833;
 XX
 DT 03-JUN-2003 (first entry)
 XX

NFKB sub-unit modulating inozyme substrate #652.
 DE
 XX
 XX Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme;
 KW G-cleaver; amebzyme; cancer; REL-A activity; breast cancer; human;
 KW lung cancer; prostate cancer; colorectal cancer; brain cancer;
 KW oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer;
 KW cervical cancer; head and neck cancer; ovarian cancer; melanoma;
 KW lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor;
 KW chemotherapy; paclitaxel; docetaxel; cisplatin; methotrexate;
 KW cyclophosphamide; doxorubin; fluorouracil carboplatin; edatrexate;
 KW gemcitabine; radiation therapy; inflammatory disease; asthma; diabetes;
 KW rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemia;
 KW gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis;
 KW transplant/graft rejection; reperfusion injury; glomerulonephritis;
 KW allergic airway inflammation; inflammatory bowel disease; infection; ss.
 XX
 XX Homo sapiens.
 OS
 XX US2002177568-A1.
 PN
 XX 28-NOV-2002.
 PD
 XX 23-MAY-2001; 2001US-00864785.
 PF
 XX 07-DEC-1992; 92US-00987132.
 PR 18-MAY-1994; 94US-00245466.
 PR 15-AUG-1994; 94US-00291932.
 PR 23-DEC-1996; 96US-00777916.
 XX
 XX (STIN/) STINCHOMB D T.
 PA (MCSW/) MCSWIGEN J.
 PA (DRAP/) DRAPER K G.

```

XX Stinchcomb DT, Mcswiggen J, Draper KG;
PI WPI; 2003-340953/32.
XX
XX Novel enzymatic nucleic acid molecules which down regulates expression of
PT a sequence encoding a subunit of nuclear factor kappa B useful for
PT treating cancer, inflammatory disorders and autoimmune diseases.
XX
XX Claim 3; Page 36; 72pp; English.
XX
XX The invention describes an enzymatic nucleic acid molecule (I) which down
CC regulates expression of a sequence encoding a subunit of nuclear factor
CC kappa B (NFkB), where (I) is an inozyme, zinzyme, G-cleaver or amberezyme
CC configuration. The enzymatic nucleic acid molecule is adapted to treat
CC cancer and is useful for down-regulating REL-A activity in a cell, for
CC treating a patient having a condition associated with the level of REL-A.
CC (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in
CC the presence of a divalent cation, especially Mg2+. The enzymatic and
CC antisense nucleic acid molecules are useful for treating breast, lung,
CC prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic,
CC cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or
CC multidrug resistant cancer. The method involves use of other drug
CC therapies such as monoclonal antibodies, REL-A-specific inhibitors or
CC chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate,
CC cyclophosphamide, doxorubicin, fluorouracil carboplatin, edatrexate,
CC gencitabine or radiation therapy. The enzymatic and antisense nucleic
CC acid molecules are also useful for treating inflammatory disease such as
CC rheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes,
CC obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft
CC rejection, gene therapy applications, ischaemia/reperfusion injury
CC (central nervous system (CNS) and myocardial), glomerulonephritis,
CC sepsis, allergic airway inflammation, inflammatory bowel disease or
CC infection. This sequence represents the substrate of a novel enzymatic
CC nucleic acid molecule
XX
XX Sequence 17 BP; 2 A; 7 C; 1 G; 0 T; 7 U; 0 Other;
SQ
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1456 GTTGATCAAGCAAAATAG 1472
DB 17 GTTGAGCAAGGAAGAG 1
RESULT 108
ABZ60049
ID ABZ60049 standard; RNA; 17 BP.
XX
XX AC ABZ60049;
XX
XX DT 21-MAR-2003 (first entry)
XX
XX DE Human K-Ras DNazyme substrate #161.
XX
XX KW Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
XX enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV;
XX anti-rheumatic; cancer; AIDS; ss.
XX
XX OS Homo sapiens.
XX
XX PN WO200297114-A2.
XX
XX PD 05-DEC-2002.
XX
XX PF 29-MAY-2002; 2002WO-US016840.
XX
XX PR 29-MAY-2001; 2001US-0294140P.
XX
XX PR 06-JUN-2001; 2001US-0296249P.
XX
XX PR 10-SEP-2001; 2001US-0318471P.
XX
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Mcswiggen J;
XX
XX WPI; 2003-140484/13.
XX
XX Novel short interfering RNA and enzymatic nucleic acid useful for
PT treating cancer, modulates the expression of a nucleic acid encoding
PT HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
XX
XX Claim 58; Page 88; 185pp; English.
XX
XX The invention relates to a novel short interfering RNA (siRNA) nucleic
CC acid molecule or an enzymatic nucleic acid molecule, that modulates
CC expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras,
CC human immunodeficiency virus (HIV) or a component of HIV. The nucleic
CC acid molecule of the invention has cytostatic, anti-HIV, and anti-
CC rheumatic activity. The nucleic acid molecules are useful for reducing
CC HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are
CC also useful for treating breast, ovarian, colorectal, lung, prostate,
CC bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences
CC shown in ABZ59889 - ABZ62216, ABZ64544 - ABZ65531, ABZ66520 - ABZ66524,
CC ABZ66530 - ABZ66585 represent substrate/target sequences for the human
CC ribozymes of the invention
XX
XX Sequence 17 BP; 9 A; 1 C; 5 G; 0 T; 2 U; 0 Other;
SQ
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 2.3e+02;
Matches 13; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1390 GATCAAGGAGGATAAAA 1406
DB 1 GAGCAAGAGGUAANA 17
RESULT 109
ACC67934/c
ID ACC67934 standard; DNA; 17 BP.
XX
XX AC ACC67934;
XX
XX DT 01-JUL-2003 (first entry)
XX
XX DE Murine oligonucleotide associated with tumour supression, SEQ ID 5181.
XX
XX KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
XX tumour suppression; tumour reversion; apoptosis; virus resistance;
XX viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
XX schizoprenia; ss.
XX
XX OS Mus musculus.
XX
XX PN WO2003025176-A2.
XX
XX PD 27-MAR-2003.
XX
XX PF 17-SEP-2002; 2002WO-IB004210.
XX
XX PR 17-SEP-2001; 2001FR-00011979.
XX
XX PA (MOLE-) MOLECULAR ENGINES LAB.
XX
XX PI Telerman A, Amson R, Tuijnder M;
XX
XX WPI; 2003-333167/31.
XX
XX New isolated nucleic acid, useful for treating viral diseases associated
PT with tumors and cell degeneration, also related polypeptides, antibodies
PT and transfected cells.
XX
XX Disclosure; Page 636; 738pp; French.
XX

```

CC The present invention relates to murine oligonucleotides (ACC62754-
 CC ACC68806), which are associated with tumour suppression, tumour
 CC reversion, apoptosis and virus resistance. The oligonucleotides are
 CC useful as (1) as probes and primers for detecting, identifying,
 CC quantifying and/or amplifying nucleic acid, e.g. as one component of a
 CC gene chip; in vitro as (anti)sense reagents; and (2) for production of
 CC recombinant polypeptides. The oligonucleotides are useful for preparation
 CC of pharmaceuticals for prevention and/or treatment of viral diseases that
 CC are characterised by development of tumours or cell degeneration,
 CC specifically cancer but also Alzheimer's disease and schizophrenia
 XX
 SQ Sequence 17 BP; 6 A; 2 C; 1 G; 8 T; 0 U; 0 Other;
 Query Match 9.4%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.3e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1405 AATTGTTAATGATGACC 1421
 DB 17 AATTATTAAAGATGATC 1
 ||||| ||||| ||||| |||||

RESULT 110
 ACC64079
 ID ACC64079 standard; DNA; 17 BP.
 AC ACC64079;
 XX
 XX
 DT 01-JUL-2003 (first entry)
 XX
 DE Murine oligonucleotide associated with tumour suppression, SEQ ID 1326.
 XX
 DE Cytostatic; virucide; neuroprotective; nontropic; neuroleptic; murine;
 KW tumour suppression; tumour reversion; apoptosis; virus resistance;
 KW viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
 KW schizophrenia; ss.
 XX
 OS Mus musculus.
 OS
 PN WO2003025176-A2.
 XX
 PD 27-MAR-2003.
 XX
 PF 17-SEP-2002; 2002WO-IB004210.
 XX
 PR 17-SEP-2001; 2001FR-00011979.
 XX
 PA (MOLE-) MOLECULAR ENGINES LAB.
 XX
 PI Telerman A, Amson R, Tuijnder M;
 XX
 DR WPI; 2003-333167/31.
 XX
 PT New isolated nucleic acid, useful for treating viral diseases associated
 PT with tumors and cell degeneration, also related polypeptides, antibodies
 PT and transfected cells.
 XX
 PS Disclosure; Page 186; 738pp; French.
 XX
 CC The present invention relates to murine oligonucleotides (ACC62754-
 CC ACC68806), which are associated with tumour suppression, tumour
 CC reversion, apoptosis and virus resistance. The oligonucleotides are
 CC useful as (1) as probes and primers for detecting, identifying,
 CC quantifying and/or amplifying nucleic acid, e.g. as one component of a
 CC gene chip; in vitro as (anti)sense reagents; and (2) for production of a
 CC recombinant polypeptides. The oligonucleotides are useful for preparation
 CC of pharmaceuticals for prevention and/or treatment of viral diseases that
 CC are characterised by development of tumours or cell degeneration,
 CC specifically cancer but also Alzheimer's disease and schizophrenia
 XX
 SQ Sequence 17 BP; 8 A; 1 C; 5 G; 3 T; 0 U; 0 Other;
 Query Match 9.4%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.3e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1390 GATCAAGAGGATATAA 1406
 DB 1 GATCTGAGGAGATAAAA 17
 ||||| ||||| ||||| |||||

RESULT 111
 ADB42007
 ID ADB42007 standard; DNA; 17 BP.
 AC ADB42007;
 XX
 XX
 DT 18-DEC-2003 (revised)
 DT 04-DEC-2003 (first entry)
 XX
 DE Tumour suppression/reversion associated nucleotide #2330.
 XX
 KW cytostatic; antiviral; neuroprotective; nontropic; neuroleptic; ss;
 KW primer; probe; tumour suppression; tumour reversion; apoptosis;
 KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
 KW diagnosis.
 XX
 OS Homo sapiens.
 OS
 PN WO2003040369-A2.
 XX
 PD 15-MAY-2003.
 XX
 PF 17-SEP-2002; 2002WO-IB004219.
 XX
 PR 17-SEP-2001; 2001FR-00011981.
 XX
 PA (MOLE-) MOLECULAR ENGINES LAB.
 XX
 PI Telerman A, Amson R, Tuijnder M;
 XX
 DR WPI; 2003-441574/41.
 XX
 PT New nucleic acid encoding human prostate membrane-specific antigen,
 PT useful e.g. for treatment of tumors and viral infection, also related
 PT polypeptide and antibodies.
 XX
 PS Disclosure; Page 304; 771pp; French.
 XX
 CC The invention relates to the isolation of 6327 nucleotide sequences,
 CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
 CC sequence having at least 80% identity, after optimal alignment, with the
 CC nucleotides, a sequence that hybridizes under stringent conditions with
 CC the nucleotides, or the complement, or corresponding RNA, of the
 CC nucleotides. The nucleotides are used as probes or primers for detecting,
 CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
 CC sense and antisense sequences, of nucleotides involved in tumour
 CC suppression or reversion, apoptosis and or viral resistance, to produce
 CC recombinant polypeptides, and to prepare transgenic animals, as
 CC experimental models. The nucleotides (also vectors containing them and
 CC cells containing the vectors), the encoded polypeptides and antibodies
 CC (Ab) against the polypeptide are useful for prevention and/or treatment
 CC of viral infections or diseases characterised by development of tumours
 CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
 CC Analysis of the expression of the nucleotides can be used for diagnosis
 CC and/or prognosis of these diseases. The nucleotides and polypeptides can
 CC also be used to screen for their specific interactive molecules,
 CC potentially useful for treating diseases associated with abnormal
 CC expression of the nucleotides.
 XX
 SQ Sequence 17 BP; 10 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
 Query Match 9.4%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 2.3e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 1390 GATCAAGAGGTAATAA 1406
Db 1 GATCAAGAGGTAATAA 17

RESULT 112
ADB41408/c
ID ADB41408 standard; DNA; 17 BP.
XX
XX
AC ADB41408;
XX
XX 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX
XX Tumour suppression/reversion associated nucleotide #1731.
DE
DE cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
XX Homo sapiens.
OS
XX WO2003040369-A2.
XX
XX 15-MAY-2003.
XX
XX 17-SEP-2002; 2002WO-IB004219.
XX
XX 17-SEP-2001; 2001FR-00011981.
XX
XX (MOLE-) MOLECULAR ENGINES LAB.
PA
PI Telerman A, Amson R, Tuijnder M;
XX
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
XX useful e.g. for treatment of tumors and viral infection, also related
XX polypeptide and antibodies.
XX
XX Disclosure; Page 234; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
XX fragments of at least 15 consecutive nucleotides of these nucleotides, a
XX sequence having at least 80% identity, after optimal alignment, with the
XX nucleotides, a sequence that hybridizes under stringent conditions with
XX the nucleotides, or the complement, or corresponding RNA, of the
XX nucleotides. The nucleotides are used as probes or primers for detecting,
XX identifying, quantifying and/or amplifying nucleic acids, as in vitro
XX sense and antisense sequences, of nucleotides involved in tumour
XX suppression or reversion, apoptosis and or viral resistance, to produce
XX recombinant polypeptides, and to prepare transgenic animals, as
XX experimental models. The nucleotides (also vectors containing them and
XX cells containing the vectors), the encoded polypeptides and antibodies
XX (Ab) against the polypeptide are useful for prevention and/or treatment
XX of viral infections or diseases characterized by development of tumours
XX or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
XX Analysis of the expression of the nucleotides can be used for diagnosis
XX and/or prognosis of these diseases. The nucleotides and polypeptides can
XX also be used to screen for their specific interactive molecules,
XX potentially useful for treating diseases associated with abnormal
XX expression of the nucleotides.
XX
XX Sequence 17 BP; 3 A; 3 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 9.4%; Score 12.2; DB 1; Length 17;
XX Best Local Similarity 82.4%; Pred. No. 2.3e+02;
XX Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAGCATC 1372
Db 17 AAAATAATGCAGGATC 1

RESULT 113
ADB43610/c
ID ADB43610 standard; DNA; 17 BP.
XX
XX
AC ADB43610;
XX
XX 18-DEC-2003 (revised)
DT 04-DEC-2003 (first entry)
XX
XX Tumour suppression/reversion associated nucleotide #3933.
DE
DE cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
XX Homo sapiens.
OS
XX WO2003040369-A2.
XX
XX 15-MAY-2003.
XX
XX 17-SEP-2002; 2002WO-IB004219.
XX
XX 17-SEP-2001; 2001FR-00011981.
XX
XX (MOLE-) MOLECULAR ENGINES LAB.
PA
PI Telerman A, Amson R, Tuijnder M;
XX
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
XX useful e.g. for treatment of tumors and viral infection, also related
XX polypeptide and antibodies.
XX
XX Disclosure; Page 491; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
XX fragments of at least 15 consecutive nucleotides of these nucleotides, a
XX sequence having at least 80% identity, after optimal alignment, with the
XX nucleotides, a sequence that hybridizes under stringent conditions with
XX the nucleotides, or the complement, or corresponding RNA, of the
XX nucleotides. The nucleotides are used as probes or primers for detecting,
XX identifying, quantifying and/or amplifying nucleic acids, as in vitro
XX sense and antisense sequences, of nucleotides involved in tumour
XX suppression or reversion, apoptosis and or viral resistance, to produce
XX recombinant polypeptides, and to prepare transgenic animals, as
XX experimental models. The nucleotides (also vectors containing them and
XX cells containing the vectors), the encoded polypeptides and antibodies
XX (Ab) against the polypeptide are useful for prevention and/or treatment
XX of viral infections or diseases characterized by development of tumours
XX or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
XX Analysis of the expression of the nucleotides can be used for diagnosis
XX and/or prognosis of these diseases. The nucleotides and polypeptides can
XX also be used to screen for their specific interactive molecules,
XX potentially useful for treating diseases associated with abnormal
XX expression of the nucleotides.
XX
XX Sequence 17 BP; 7 A; 6 C; 3 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 9.4%; Score 12.2; DB 1; Length 17;
XX Best Local Similarity 82.4%; Pred. No. 2.3e+02;
XX Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1377 GCGATCGTCTTCATC 1393
Db 17 GCGTTCGTGTGTGATC 1

RESULT 114

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ADB44998
ID ADB44998 standard; DNA; 17 BP.
XX
AC ADB44998;
XX
XX 18-DEC-2003 (first entry)
XX
DE Tumour suppression/reversion associated nucleotide #5321.
XX
XX cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
KW primer; probe; tumour suppression; tumour reversion; apoptosis;
KW virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
KW diagnosis.
XX
XX Homo sapiens.
OS
XX WO2003040369-A2.
XX
XX 15-MAY-2003.
XX
XX 17-SEP-2002; 2002WO-IB004219.
XX
XX 17-SEP-2001; 2001FR-00011981.
XX
XX (MOLE-) MOLECULAR ENGINES LAB.
XX
XX Telerman A, Amson R, Tuijnder M;
PI
XX WPI; 2003-441574/41.
XX
XX New nucleic acid encoding human prostate membrane-specific antigen,
PT useful e.g. for treatment of tumors and viral infection, also related
PT polypeptide and antibodies.
XX
XX Disclosure; Page 654; 771pp; French.
XX
XX The invention relates to the isolation of 6327 nucleotide sequences,
CC fragments of at least 15 consecutive nucleotides of these nucleotides, a
CC sequence having at least 80% identity, after optimal alignment, with the
CC nucleotides, a sequence that hybridizes under stringent conditions with
CC the nucleotides, or the complement, or corresponding RNA, of the
CC nucleotides. The nucleotides are used as probes or primers for detecting,
CC identifying, quantifying and/or amplifying nucleic acids, as in vitro
CC sense and antisense sequences, of nucleotides involved in tumour
CC suppression or reversion, apoptosis and/or viral resistance, to produce
CC recombinant polypeptides, and to prepare transgenic animals, as
CC experimental models. The nucleotides (also vectors containing them and
CC cells containing the vectors), the encoded polypeptides and antibodies
CC (Ab) against the polypeptide are useful for prevention and/or treatment
CC of viral infections or diseases characterized by development of tumours
CC or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
CC Analysis of the expression of the nucleotides can be used for diagnosis
CC and/or prognosis of these diseases. The nucleotides and polypeptides can
CC also be used to screen for their specific interactive molecules,
CC potentially useful for treating diseases associated with abnormal
CC expression of the nucleotides.
XX
XX Sequence 17 BP; 10 A; 2 C; 4 G; 1 T; 0 U; 0 Other;
SQ
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1390 GATCAAGGAGGTAAAA 1406
|||||
Db 1 GATCAAGGAGGTAAACAA 17
RESULT 115
AD25135
ID ADE25135 standard; DNA; 17 BP.
XX
XX ADE25135;
AC
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 358611 for detecting SNP TSC0006594.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
29-JAN-2004 (first entry)
XX
XX Plant growth associated polynucleotide seq id 110.
XX
XX plant growth; plant growth trait modulation; Brassicaceae; Arabidopsis;
KW Brassica; Zea; Oryza; Triticum; Hordeum; Lolium; Sorghum; Glycine;
KW Medicago; Helianthus; Lactuca; Beta; Vitis; Solanum; Lycopersicon;
KW Capsicum; Gossypium; Hevea; Linum; Prunus; Citrus; Populus; Pinus;
KW Quercus; ss.
XX
XX Magnoliophyta.
OS
XX US2003188343-A1.
XX
XX 02-OCT-2003.
XX
XX 07-JAN-2003; 2003US-00338777.
XX
XX 09-JAN-2002; 2002US-0347288P.
XX
XX (LYNX-) LYNX THERAPEUTICS INC.
XX
XX Bowen BA, Haudenschild CD, Buckler ES;
PI
XX WPI; 2003-803305/75.
XX
XX New isolated or recombinant polypeptide for use in modulating a plant
PT growth trait in a flowering plant e.g. in Arabidopsis, Brassica, Zea, or
PT Oryza.
XX
XX Example 2; SEQ ID NO 110; 81pp; English.
XX
XX The invention describes an isolated or recombinant polypeptide (I)
CC comprising a sequence: (a) comprising 1 of 30 sequences (S1), as given in
CC the specification, or a conservative variant; (b) encoded by 1 of 30
CC sequences (S2), as given in the specification, or a conservative variant;
CC (c) encoded by a sequence that hybridizes under stringent conditions to
CC S2; and (d) encoded by a sequence 70% identical to S2. The expression or
CC activity of (I) is modulated to modulate a plant growth trait in a
CC flowering plant, of the family Brassicaceae, preferably in a plant that
CC is Arabidopsis, Brassica, Zea, Oryza, Triticum, Hordeum, Lolium, Sorghum,
CC Glycine, Medicago, Helianthus, Lactuca, Beta, Vitis, Solanum,
CC Lycopersicon, Capsicum, Gossypium, Hevea, Linum, Prunus, Citrus, Populus,
CC Pinus, or Quercus. A new method is used to detect genes for a plant
CC growth trait. This sequence represents a polynucleotide isolated from the
CC plant growth associated genes of the invention that can be used as a
CC primer, probe or genetic marker.
XX
XX Sequence 17 BP; 2 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
SQ
Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1379 GATCGCTTCTGATCAA 1395
|||||
Db 1 GATCGCTTCTGCTCGA 17
RESULT 116
ABI58638
ID ABI58638 standard; DNA; 12 BP.
XX
XX ABI58638;
AC
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 358611 for detecting SNP TSC0006594.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 358611; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.6e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1408 TGTTAATCATGA 1419
DB 1 TGTTAATCATGA 12
|||||
XX RESULT 117
XX ABH75215/c
XX ID ABH75215 standard; DNA; 12 BP.
XX AC ABH75215;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 275206 for detecting SNP TSC0003823.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 275206; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.6e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1397 GGAGGTAAATTT 1408
DB 12 GGAGGTAAATTT 1
|||||
XX RESULT 118
XX ABI70837/c
XX ID ABI70837 standard; DNA; 12 BP.
XX AC ABI70837;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 370810 for detecting SNP TSC0058409.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 370810; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

```


CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABCF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 9.2%; Score 12; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAATA 1361
 Db 12 GGAAGAAAAATA 1
 |||||

RESULT 119
 ABC95961/c
 ID ABC95961 standard; DNA; 13 BP.
 AC ABC95961;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 95978 for detecting SNP TSC0023864.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB0000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 95978; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABCF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 9.2%; Score 12; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 1.8e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
 Db 12 TTGTTAATGATG 1
 |||||

RESULT 120
 ABF58579/c
 ID ABF58579 standard; DNA; 13 BP.
 AC ABF58579;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 158576 for detecting SNP TSC0039915.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB0000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX PS Claim 1; SEQ ID NO 158576; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABCF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 9.2%; Score 12; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
 Db 13 TAAATTTGTTAA 2
 |||||

RESULT 121
 ABF73478/c
 ID ABF73478 standard; DNA; 13 BP.
 XX ABF73478;
 XX

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XX 22-FEB-2002 (first entry)
XX DT
XX DE
XX DE Oligonucleotide SEQ ID NO 173475 for detecting SNP TSC0043213.
XX KW
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX PN
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX PA
XX PA (EPIG-) EPIGENOMICS AG.
XX PI
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX XX designed to detect single-nucleotide polymorphisms and cytosine
XX XX methylation status.
XX PT
XX PT Claim 1; SEQ ID NO 173476; 29pp + Sequence Listing; German.
XX PS
XX PS This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 13 AAAATATTCCAC 2

RESULT 122
ABF73479
ID ABF73479 standard; DNA; 13 BP.
XX AC
XX AC ABF73479;
XX DT
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide SEQ ID NO 173476 for detecting SNP TSC0043213.
XX KW
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX PN
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX PA
XX PA (EPIG-) EPIGENOMICS AG.
XX PI
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX XX designed to detect single-nucleotide polymorphisms and cytosine
XX XX methylation status.
XX PT
XX PT Claim 1; SEQ ID NO 173475; 29pp + Sequence Listing; German.
XX PS
XX PS This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 13 AAAATATTCCAC 2

RESULT 122
ABF73479
ID ABF73479 standard; DNA; 13 BP.
XX AC
XX AC ABF73479;
XX DT
XX DT 21-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide SEQ ID NO 122875 for detecting SNP TSC0030713.
XX KW
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX PN
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX PF
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX PA
XX PA (EPIG-) EPIGENOMICS AG.
XX PI
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT

```

PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122875; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12

RESULT 124
ABC95960
ID ABC95960 standard; DNA; 13 BP.
XX
AC ABC95960;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 95977 for detecting SNP TSC0023864.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 95977; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 2 TTGTTAATGATG 13

RESULT 125
ABF42022
ID ABF42022 standard; DNA; 13 BP.
XX
AC ABF42022;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 142019 for detecting SNP TSC0035574.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 142019; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 6 G; 0 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGAGAGAAAAA 1359
|||||||

Db	2	GGGGAAGAAAAA	13	
RESULT 126				
ABH45026				
ID	ABH45026	standard; DNA; 13 BP.		
XX	AC			
XX	ABH45026;			
XX				
DT	22-FEB-2002	(first entry)		
XX				
DE	Oligonucleotide SEQ ID NO 245003	for detecting SNP TSC0059825.		
XX				
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;			
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;			
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.			
XX				
OS	Homo sapiens.			
XX				
PN	WO200177384-A2.			
XX				
PD	18-OCT-2001.			
XX				
PF	06-APR-2001;	2001WO-IB000713.		
XX				
PR	07-APR-2000;	2000DE-01019173.		
XX				
PA	(EPIG-) EPIGENOMICS AG.			
XX				
PI	Olek A, Piepenbrock C, Berlin K;			
XX				
DR	WPI; 2001-657177/75.			
XX				
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is			
PT	designed to detect single-nucleotide polymorphisms and cytosine			
PT	methylation status.			
XX				
PS	Claim 1; SEQ ID NO 245003; 29pp + Sequence Listing; German.			
XX				
CC	This invention describes novel oligonucleotide primers or peptide nucleic			
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)			
CC	and cytosine methylation status in chemically pretreated genomic DNA. The			
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a			
CC	range of diseases including immune system, gastrointestinal, respiratory,			
CC	central nervous system, cardiovascular and metabolic disorders. The			
CC	oligomers are also used for detecting cell type differentiation. ABC00010			
CC	-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073			
CC	represent the oligomers described in the invention. NOTE: The sequence			
CC	data for this patent did not form part of the printed specification, but			
CC	was obtained in electronic format from WIPO at			
CC	ftp.wipo.int/pub/published_pct_sequences			
XX				
PS	Claim 1; SEQ ID NO 245003; 29pp + Sequence Listing; German.			
XX				
CC	This invention describes novel oligonucleotide primers or peptide nucleic			
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)			
CC	and cytosine methylation status in chemically pretreated genomic DNA. The			
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a			
CC	range of diseases including immune system, gastrointestinal, respiratory,			
CC	central nervous system, cardiovascular and metabolic disorders. The			
CC	oligomers are also used for detecting cell type differentiation. ABC00010			
CC	-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073			
CC	represent the oligomers described in the invention. NOTE: The sequence			
CC	data for this patent did not form part of the printed specification, but			
CC	was obtained in electronic format from WIPO at			
CC	ftp.wipo.int/pub/published_pct_sequences			
XX				
SQ	Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;			
	Query Match	9.2%; Score 12; DB 1; Length 13;		
	Best Local Similarity	100.0%; Pred. No. 1.8e+02;		
	Matches 12; Conservative	0; Mismatches 0; Indels 0; Gaps 0;		
QY	1401 GTAAAAATTGTTA	1412		
DB	2	GTAAAAATTGTTA	13	
RESULT 127				
ABF42023/C				
ID	ABF42023	standard; DNA; 13 BP.		
XX	AC			
XX	ABF42023;			
XX				
DT	21-FEB-2002	(first entry)		
XX				
DE	Oligonucleotide SEQ ID NO 142020	for detecting SNP TSC0035574.		
XX				

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XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 245004; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 1.8e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1401 GTAAATTTGTTA 1412
XX DB 12 GTAAATTTGTTA 1
XX
XX RESULT 129
XX ABF22879/c
XX ID ABF22879 standard; DNA; 13 BP.
XX AC ABF22879;
XX XX
XX DT 21-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide SEQ ID NO 122876 for detecting SNP TSC0030713.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 122876; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 1.8e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1401 GTAAATTTGTTA 1412
XX DB 12 GTAAATTTGTTA 1
XX
XX RESULT 130
XX ABF58578
XX ID ABF58578 standard; DNA; 13 BP.
XX AC ABF58578;
XX XX
XX DT 21-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide SEQ ID NO 158575 for detecting SNP TSC0039915.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 158575; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX

```

SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
 Query Match 9.2%; Score 12; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTGTTAA 1413
 DB 1 TAAATTGTTAA 12
 |||||

RESULT 131
 AAF52309/c
 ID AAF52309 standard; DNA; 15 BP.
 AC AAF52309;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE IGF-I oligonucleotide #3269.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200078341-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 21-JUN-2000; 2000WO-AU000693.
 XX
 PR 21-JUN-1999; 99US-0140345P.
 XX
 PA (MURD-) MURDOCH CHILDRENS RES INST.
 XX
 PI Wright CJ, Werther GA, Edmondson SR;
 XX
 DR WPI; 2001-041421/05.
 XX
 PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 PS Example 8; Page 82; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX
 SQ Sequence 15 BP; 3 A; 4 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred. No. 2.2e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAGT 1424
 DB 13 ATGATGACCAGT 2
 |||||

RESULT 132
 AAF52307/c
 ID AAF52307 standard; DNA; 15 BP.
 AC AAF52307;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE IGF-I oligonucleotide #3267.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200078341-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 21-JUN-2000; 2000WO-AU000693.
 XX
 PR 21-JUN-1999; 99US-0140345P.
 XX
 PA (MURD-) MURDOCH CHILDRENS RES INST.
 XX
 PI Wright CJ, Werther GA, Edmondson SR;
 XX
 DR WPI; 2001-041421/05.
 XX
 PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 PS Example 8; Page 82; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX
 SQ Sequence 15 BP; 5 A; 4 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred. No. 2.2e+02;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAGT 1424
 DB 13 ATGATGACCAGT 2
 |||||

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Db      15 ATGATGACCACT 4

RESULT 133
AAF52310/C
ID AAF52310 standard; DNA; 15 BP.
XX
XX
AC AAF52310;
XX
XX 30-MAR-2001 (first entry)
XX
XX IGF-I oligonucleotide #3270.
XX
XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
XX Homo sapiens.
XX
XX WO200078341-A1.
XX
XX 28-DEC-2000.
XX
XX 21-JUN-2000; 2000WO-AU000693.
XX
XX 21-JUN-1999; 99US-0140345P.
XX
XX (MURD-) MURDOCH CHILDRENS RES INST.
XX
XX Wright CJ, Werther GA, Edmondson SR;
XX WPI; 2001-041421/05.
XX
XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
XX Example 8; Page 82; 201pp; English.
XX
XX The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
XX Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;
SQ
Query Match 9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCACT 1424
Db 12 ATGATGACCACT 1

RESULT 134
AAF52308/C
ID AAF52308 standard; DNA; 15 BP.
XX
XX
AC AAF52308;
XX
XX 30-MAR-2001 (first entry)
XX
XX IGF-I oligonucleotide #3268.
XX
XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW hyperneovascular condition; hyperplasia; kidney disease;
KW neovascular condition of the retina; ss.
XX
XX Homo sapiens.
XX
XX WO200078341-A1.
XX
XX 28-DEC-2000.
XX
XX 21-JUN-2000; 2000WO-AU000693.
XX
XX 21-JUN-1999; 99US-0140345P.
XX
XX (MURD-) MURDOCH CHILDRENS RES INST.
XX
XX Wright CJ, Werther GA, Edmondson SR;
XX WPI; 2001-041421/05.
XX
XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
PT inhibits or reduces growth factor mediated cell proliferation and/or
PT inflammation.
XX
XX Example 8; Page 82; 201pp; English.
XX
XX The present invention relates to a method for ameliorating the effects of
CC skin disorders. The method comprises contacting the skin with an
CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
CC inhibiting or reducing growth factor mediated cell proliferation,
CC inflammation and/or other disorders. The present sequence is an
CC oligonucleotide which can be used to design the antisense
CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
CC F45161). The method is useful for ameliorating the effects of psoriasis,
CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
CC hyperneovascular condition such as a neovascular condition of the retina,
CC brain or skin, growth factor-mediated malignancies, other sclerotic
CC disease, kidney disease, hyperproliferation of the inside of blood
CC vessels or any other hyperplasia
XX
XX Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;
SQ
Query Match 9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCACT 1424
Db 14 ATGATGACCACT 3

RESULT 135
AAD32444
ID AAD32444 standard; DNA; 15 BP.
XX
XX AAD32444;
AC

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XX DT 18-JUN-2002 (first entry)
XX DE Human OR1G1 gene polymorphism detecting ASO probe #1.
XX KW Human; olfactory receptor family 1 subfamily G member 1; OR1G1; therapy;
XX KW polymorphism; drug screening; olfactory sensory deficit; gene therapy;
XX KW chromosome 17p13.3; probe; ss.
XX OS Homo sapiens.
XX PN WO200212561-A2.
XX PD 14-FEB-2002.
XX PF 03-AUG-2001; 2001WO-US024478.
XX PR 03-AUG-2000; 2000US-0222755P.
XX PA (GENA-) GENAISSANCE PHARM INC.
XX PI Kazemi A, Messer C, Tanguay DA;
XX DR WPI; 2002-269097/31.
XX PT Novel isolated human olfactory receptor, family 1, subfamily G, member 1
XX PT polynucleotide, for therapeutic purposes, for studying expression and
XX PT function of the polynucleotide and for expressing receptor protein.
XX PS Claim 16; Page 13; 96pp; English.
XX CC The present invention relates to an isolated human olfactory receptor,
XX CC family 1, subfamily G, member 1, (OR1G1) polynucleotide comprising a
XX CC sequence which is a polymorphic variant for a reference sequence for the
XX CC OR1G1 gene or its fragment, or a polymorphic variant of a reference
XX CC sequence for a OR1G1 cDNA or its fragment. OR1G1 is useful in studying
XX CC the expression and function of OR1G1 and in expressing OR1G1 protein for
XX CC use in screening for candidate drugs to treat diseases related to OR1G1
XX CC activity. OR1G1 is useful for therapeutic purposes. The invention is
XX CC useful for studying expression of the OR1G1 isogenes in vivo, for in vivo
XX CC screening and testing of drugs targeted against OR1G1 protein, and for
XX CC testing the efficacy of therapeutic agents and compounds for olfactory
XX CC sensory deficits, in a biological system. The invention is useful in gene
XX CC therapy, and is located on the The present sequence is human OR1G1 gene
XX CC polymorphism detecting ASO (allele specific oligonucleotide) probe
XX SQ Sequence 15 BP; 6 A; 1 C; 4 G; 3 T; 0 U; 1 Other;

Query Match 9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.2e+02;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAATG 1409
DB 1 AGAAGGTAAATG 14

RESULT 136
AAAF01730/c
ID AAF01730 standard; DNA; 17 BP.
XX AC AAF01730;
XX DT 16-FEB-2001 (first entry)
XX DE Hammerhead ribozyme substrate #25.
XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
XX KW interferon alpha; ss.
XX OS Homo sapiens.
XX PN WO2000061729-A2.

Query Match 9.2%; Score 12; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2.2e+02;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAATG 1409
DB 1 AGAAGGTAAATG 14

RESULT 136
AAAF01730/c
ID AAF01730 standard; DNA; 17 BP.
XX AC AAF01730;
XX DT 16-FEB-2001 (first entry)
XX DE Hammerhead ribozyme substrate #23.
XX KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
XX KW interferon alpha; ss.
XX OS Homo sapiens.
XX PN WO2000061729-A2.
XX PD 19-OCT-2000.
XX PF 11-APR-2000; 2000WO-US009721.
XX PR 12-APR-1999; 99US-0129390P.
XX PA (RIBO-) RIBOZYME PHARM INC.
XX PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX DR WPI; 2000-647423/62.
XX PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX PT useful for producing e.g. granulocyte colony stimulating factor protein,
XX PT interferon alpha and erythropoietin.
XX OS Homo sapiens.
XX PN WO2000061729-A2.

```


XX The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 1 A; 5 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGGAAGAAAA 1358
DB 17 AGGGGAAGAAAA 6
|||||

RESULT 138
AAFO3333
ID AAFO3333 standard; DNA; 17 BP.
XX
XX
AC AAFO3333;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1628.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
XX WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
XX WPI; 2000-647423/62.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
XX WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 93; 164pp; English.
XX
PS The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 9 A; 2 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTCOA 1366
|||||

Db 3 AAAAATATTCOA 14

RESULT 139
AAFO3084/c
ID AAFO3084 standard; DNA; 17 BP.
XX
XX AC AAFO3084;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1379.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
XX WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
PR 12-APR-1999; 99US-0129390P.
XX
PA (RIBO-) RIBOZYME PHARM INC.
XX
PI Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
XX WPI; 2000-647423/62.
XX
PT Enzymatic and antisense nucleic acid inhibition of repressor genes,
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 87; 164pp; English.
XX
PS The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAAT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
SQ Sequence 17 BP; 3 A; 3 C; 1 G; 10 T; 0 U; 0 Other;

Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1441 ATACATGGGAAGA 1452
DB 17 ATACATGGGAAGA 6
|||||

RESULT 140
AAFO1729/c
ID AAFO1729 standard; DNA; 17 BP.
XX
XX AC AAFO1729;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #24.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX

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PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
XX 12-APR-1999; 99US-0129390P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX
XX Enzymatic and antisense nucleic acid inhibition of repressor genes.
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 56; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
XX Sequence 17 BP; 0 A; 6 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 17;
XX Best Local Similarity 100.0%; Pred. No. 2.5e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 1347 AGGGGAGAGAAA 1358
Db 16 AGGGGAGAGAAA 5
XX
RESULT 141
AAF03334
ID AAF03334 standard; DNA; 17 BP.
XX
AC AAF03334;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #1629.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha, ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
XX 12-APR-1999; 99US-0129390P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX
XX Enzymatic and antisense nucleic acid inhibition of repressor genes.
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 56; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
XX Sequence 17 BP; 0 A; 6 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 17;
XX Best Local Similarity 100.0%; Pred. No. 2.5e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 1347 AGGGGAGAGAAA 1358
Db 16 AGGGGAGAGAAA 5
XX
RESULT 141
AAF03334
ID AAF03334 standard; DNA; 17 BP.
XX
AC AAF03334;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #26.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
XX 12-APR-1999; 99US-0129390P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX
XX Enzymatic and antisense nucleic acid inhibition of repressor genes.
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 56; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
XX Sequence 17 BP; 10 A; 2 C; 2 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 17;
XX Best Local Similarity 100.0%; Pred. No. 2.5e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 1355 AAAAATATTCOA 1366
Db 1 AAAAATATTCOA 12
XX
RESULT 142
AAF01731/C
ID AAF01731 standard; DNA; 17 BP.
XX
AC AAF01731;
XX
DT 16-FEB-2001 (first entry)
XX
DE Hammerhead ribozyme substrate #26.
XX
KW Ribozyme; erythropoietin; granulocyte colony stimulating factor;
KW interferon alpha; ss.
XX
OS Homo sapiens.
XX
PN WO200061729-A2.
XX
PD 19-OCT-2000.
XX
PF 11-APR-2000; 2000WO-US009721.
XX
XX 12-APR-1999; 99US-0129390P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX WPI; 2000-647423/62.
XX
XX Enzymatic and antisense nucleic acid inhibition of repressor genes.
PT useful for producing e.g. granulocyte colony stimulating factor protein,
PT interferon alpha and erythropoietin.
XX
XX Claim 37; Page 56; 164pp; English.
XX
CC The present invention relates to enzymatic and antisense nucleic acid
CC molecules that act as inhibitors of the expression of repressor genes
CC encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription
CC factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP).
CC Inhibition of the repressors removes prevents inhibition (and
CC consequently increases expression of) genes involved in the production of
CC erythropoietin, granulocyte colony stimulating factor protein and
CC interferon alpha
XX
XX Sequence 17 BP; 0 A; 6 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 9.2%; Score 12; DB 1; Length 17;
XX Best Local Similarity 100.0%; Pred. No. 2.5e+02;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 1347 AGGGGAGAGAAA 1358

```

```

Db      13 AGGGGACAGAAA 2
|||||
RESULT 143
ACC63894/c
ID ACC63894 standard; DNA; 17 BP.
XX
AC ACC63894;
XX
DT 01-JUL-2003 (first entry)
XX
DE Murine oligonucleotide associated with tumour suppression, SEQ ID 1141.
XX
KW Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
KW tumour suppression; tumour reversion; apoptosis; virus resistance;
KW viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
KW schizophrenia; ss.
XX
OS Mus musculus.
XX
XX WO2003025176-A2.
XX
XX 27-MAR-2003.
XX
XX 17-SEP-2002; 2002WO-IB004210.
XX
XX 17-SEP-2001; 2001PR-00011979.
XX
XX (MOLE-) MOLECULAR ENGINES LAB.
XX
XX Telerman A, Amson R, Tuijnder M;
XX
XX WPI; 2003-333167/31.
XX
XX New isolated nucleic acid, useful for treating viral diseases associated
XX with tumors and cell degeneration, also related polypeptides, antibodies
XX and transfected cells.
XX
XX Disclosure; Page 164; 739pp; French.
XX
XX The present invention relates to murine oligonucleotides (ACC62754-
XX ACC68806), which are associated with tumour suppression, tumour
XX reversion, apoptosis and virus resistance. The oligonucleotides are
XX useful as (1) as probes and primers for detecting, identifying,
XX quantifying and/or amplifying nucleic acid, e.g. as one component of a
XX gene chip; in vitro as (anti)sense reagents; and (2) for production of
XX recombinant polypeptides. The oligonucleotides are useful for preparation
XX of pharmaceuticals for prevention and/or treatment of viral diseases that
XX are characterised by development of tumours or cell degeneration,
XX specifically cancer but also Alzheimer's disease and schizophrenia
XX
XX Sequence 17 BP; 8 A; 2 C; 3 G; 4 T; 0 U; 0 Other;
SQ
Query Match 9.2%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1406 ATTGTTAATGAT 1417
|||||
Db 13 ATTGTTAATGAT 2
RESULT 144
AAT54301
ID AAT54301 standard; RNA; 15 BP.
XX
XX AAT54301;
XX
XX 25-MAR-2003 (revised)
DT 24-MAR-1997 (first entry)
XX
XX Human IL-5 hammerhead ribozyme target sequence (nt. position 580).
XX
Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
intercellular adhesion molecule; rel A; tumour necrosis factor;
TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
translocation; chronic myelogenous leukaemia; CML; cancer;
Philadelphia chromosome; inflammation; autoimmune disease;
atherosclerosis; myocardial infarction; stroke; restenosis;
transplant rejection; rheumatoid arthritis; psoriasis;
myocardial ischaemia; Kawasaki disease; septic shock; HIV;
human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
ss.
XX
XX Homo sapiens.
XX
OS WO9523225-A2.
XX
XX 31-AUG-1995.
XX
XX 23-FEB-1995; 95WO-IB000156.
XX
XX 23-FEB-1994; 94US-00201109.
XX
XX 29-MAR-1994; 94US-00218934.
XX
XX 04-APR-1994; 94US-00222795.
XX
XX 07-APR-1994; 94US-00224483.
XX
XX 15-APR-1994; 94US-00227958.
XX
XX 15-APR-1994; 94US-00228041.
XX
XX 18-MAY-1994; 94US-00245736.
XX
XX 06-JUL-1994; 94US-00271280.
XX
XX 15-AUG-1994; 94US-00291932.
XX
XX 16-AUG-1994; 94US-00291433.
XX
XX 17-AUG-1994; 94US-00292620.
XX
XX 19-AUG-1994; 94US-00293520.
XX
XX 02-SEP-1994; 94US-00300000.
XX
XX 08-SEP-1994; 94US-00303039.
XX
XX 23-SEP-1994; 94US-00311486.
XX
XX 23-SEP-1994; 94US-00311749.
XX
XX 28-SEP-1994; 94US-00314397.
XX
XX 03-OCT-1994; 94US-00316771.
XX
XX 07-OCT-1994; 94US-00319492.
XX
XX 11-OCT-1994; 94US-00321993.
XX
XX 04-NOV-1994; 94US-00334847.
XX
XX 10-NOV-1994; 94US-00337608.
XX
XX 28-NOV-1994; 94US-00345516.
XX
XX 16-DEC-1994; 94US-00357577.
XX
XX 23-DEC-1994; 94US-00363233.
XX
XX 30-JAN-1995; 95US-00380734.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Stinchcomb DT, Chowrira B, Drenzo A, Draper KG, Dudycz LW;
XX Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
XX Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
XX Tracz D, Usman N, Wincott FE, Woolf T;
XX WPI; 1995-351090/45.
XX
XX Ribozymes having modified bases and methods for producing them - for use
XX in inhibiting disease related genes.
XX
XX Claim 2; Page 215; 407pp; English.
XX
XX The present sequence represents a preferred target sequence for an
XX enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
XX 5) mRNA at the nucleotide base position indicated in the DE line. Regions
XX of the mRNA that do not form secondary folding structures and that
XX contain potential hammerhead and hairpin ribozyme cleavage sites were
XX identified by computer analysis. Ribozymes directed against these mRNA
XX sequences were designed and synthesised with modifications that improve
XX their nuclease resistance. The ribozymes cleave the IL-5 target sequences
XX and thereby inhibit IL-5 expression, making them useful for treating
XX chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
XX and preventing the recruitment and activation of eosinophils. The

```

CC ribozymes can also be used to treat eosinophilia (related to parasitic
 CC infection or with pulmonary infiltration) and L-tryptophan-associated
 CC eosinophilia-myalgia syndrome. (Updated on 25-MAR-2003 to correct PI
 CC field.)

XX SQ Sequence 15 BP; 6 A; 2 C; 2 G; 0 T; 5 U; 0 Other;

Query Match 9.1%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 60.0%; Pred. No. 2.3e+02;
 Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AATATTCCAGCAT 1371

||||:|:|

DB 1 AAUAUUUCAGGCAU 15

RESULT 145

AAX31212/c

ID AAX31212 standard; DNA; 15 BP.

XX AC AAX31212;

XX XX

XX 21-MAY-1999 (first entry)

XX XX

XX Tag sequence of a transcript increased in colorectal cancer.

XX DE

XX XX

XX Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;

XX KW diagnosis; prognosis; treatment; ss.

XX XX

XX Homo sapiens.

XX OS

XX W09853319-A2.

XX PN

XX 26-NOV-1998.

XX XX

XX 20-MAY-1998; 98WO-US010277.

XX XX

XX 21-MAY-1997; 97US-0047352P.

XX PR

XX (UYJO) UNIV JOHNS HOPKINS.

XX PA

XX Vogelstein B, Kinzler KW;

XX PI

XX WPI; 1999-070161/06.

XX DR

XX Use of isolated gene transcripts - useful for developing products for the
 diagnosis, prognosis and treatment of cancers, particularly colon and
 pancreatic cancer.

XX FT

XX PT

XX PT

XX PS

XX Claim 2; Page 36; 120pp; English.

XX XX

CC AAX30947-31815 represent tag sequences of transcripts that are
 differentially expressed in colorectal cancer, in pancreatic cancer, or
 in both. The tag sequences can be used to identify genes by matching the
 tag to a gen data base member, or by using the tag sequences as probes to
 CC isolate unidentified genes from cDNA libraries. The tag sequences can
 also be used in a method for diagnosing colon or pancreatic cancer in a
 sample suspected of being neoplastic. The method comprises comparing the
 level of at least one transcript in a first sample of a tissue to a
 second sample, where the first sample is a colonic tissue suspected of
 being neoplastic and the second sample is a normal human colonic tissue.
 CC The transcript is identified by a tag selected from AAX30947-31815. The
 methods of the invention can be used in the diagnosis, prognosis and
 treatment of cancer

XX SQ

Sequence 15 BP; 3 A; 4 C; 2 G; 6 T; 0 U; 0 Other;

Query Match

Best Local Similarity 9.1%; Score 11.8; DB 1; Length 15;

Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1433 GCAGACATATACATG 1447

|||||

DB 15 GTAGACAGATACATG 1

RESULT 146

AAF50408

ID AAF50408 standard; DNA; 15 BP.

XX AC AAF50408;

XX XX

XX 30-MAR-2001 (first entry)

XX DT

XX IGF-I oligonucleotide #1368.

XX DE

XX XX

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;

XX KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;

XX KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;

XX KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;

XX KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;

XX KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;

XX KW hyperneovascular condition; hyperplasia; kidney disease;

XX KW neovascular condition of the retina; ss.

XX XX

XX Homo sapiens.

XX OS

XX W0200078341-A1.

XX PN

XX 28-DEC-2000.

XX PD

XX 21-JUN-2000; 2000WO-AU000693.

XX PF

XX 21-JUN-1999; 99US-0140345P.

XX PR

XX (MURD-) MURDOCH CHILDRENS RES INST.

XX PA

XX Wright CJ, Werther GA, Edmondson SR;

XX PI WPI; 2001-041421/05.

XX DR

XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering

XX PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that

XX PT inhibits or reduces growth factor mediated cell proliferation and/or

XX PT inflammation.

XX XX

XX Example 8; Page 69; 201pp; English.

XX PS

XX The present invention relates to a method for ameliorating the effects of

XX CC skin disorders. The method comprises contacting the skin with an

XX CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1

XX CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of

XX CC inhibiting or reducing growth factor mediated cell proliferation,

XX CC inflammation and/or other disorders. The present sequence is an

XX CC oligonucleotide which can be used to design the antisense

XX CC oligonucleotides of the present invention (see AAF45151 and AAF45153-

XX CC F45161). The method is useful for ameliorating the effects of psoriasis,

XX CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,

XX CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a

XX CC hyperneovascular condition such as a neovascular condition of the retina,

XX CC brain or skin, growth factor-mediated malignancies, other sclerotic

XX CC disease, kidney disease, hyperproliferation of the inside of blood

XX CC vessels or any other hyperplasia

XX SQ

Sequence 15 BP; 8 A; 2 C; 4 G; 1 T; 0 U; 0 Other;

Query Match

Best Local Similarity 9.1%; Score 11.8; DB 1; Length 15;

Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1393 CAAGGAGGTAAAT 1407

|||||

DB 1 CAAGGAGGGAAT 15

RESULT 147


```

XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW KW cytosstatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW KW hyperneovascular condition; hyperplasia; kidney disease;
KW KW neovascular condition of the retina; ss.
XX OS Homo sapiens.
XX PN W0200078341-A1.
XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.
XX PR 21-JUN-1999; 99US-0140345P.
XX PA (MURD-) MURDOCH CHILDRENS RES INST.
XX PI Wraight CJ, Werther GA, Edmondson SR;
XX DR WPI; 2001-041421/05.
XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
XX PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
XX PT inhibits or reduces growth factor mediated cell proliferation and/or
XX PT inflammation.
XX PS Example 8; Page 69; 201pp; English.
XX CC The present invention relates to a method for ameliorating the effects of
XX CC skin disorders. The method comprises contacting the skin with an
XX CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
XX CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
XX CC inhibiting or reducing growth factor mediated cell proliferation,
XX CC inflammation and/or other disorders. The present sequence is an
XX CC oligonucleotide which can be used to design the antisense
XX CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
XX CC F45161). The method is useful for ameliorating the effects of psoriasis,
XX CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
XX CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
XX CC hyperneovascular condition such as a neovascular condition of the retina,
XX CC brain or skin, growth factor-mediated malignancies, other sclerotic
XX CC disease, kidney disease, hyperproliferation of the inside of blood
XX CC vessels or any other hyperplasia
XX SQ Sequence 15 BP; 8 A; 2 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1391 ATCAAAGGAGGTTAA 1405
Db ||||| ||||| |||||
1 ATCAAAGGAGGTTAA 15

RESULT 150
AAF46529
ID AAF46529 standard; DNA; 15 BP.
XX AC AAF46529;
XX DT 30-MAR-2001 (first entry)
XX DE IGFBP2 oligonucleotide #1368.
XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW KW cytosstatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW KW hyperneovascular condition; hyperplasia; kidney disease;

KW KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW KW hyperneovascular condition; hyperplasia; kidney disease;
XX OS Homo sapiens.
XX PN W0200078341-A1.
XX PD 28-DEC-2000.
XX PF 21-JUN-2000; 2000WO-AU000693.
XX PR 21-JUN-1999; 99US-0140345P.
XX PA (MURD-) MURDOCH CHILDRENS RES INST.
XX PI Wraight CJ, Werther GA, Edmondson SR;
XX DR WPI; 2001-041421/05.
XX PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
XX PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
XX PT inhibits or reduces growth factor mediated cell proliferation and/or
XX PT inflammation.
XX PS Example 6; Page 43; 201pp; English.
XX CC The present invention relates to a method for ameliorating the effects of
XX CC skin disorders. The method comprises contacting the skin with an
XX CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
XX CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
XX CC inhibiting or reducing growth factor mediated cell proliferation,
XX CC inflammation and/or other disorders. The present sequence is an
XX CC oligonucleotide which can be used to design the antisense
XX CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
XX CC F45161). The method is useful for ameliorating the effects of psoriasis,
XX CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
XX CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
XX CC hyperneovascular condition such as a neovascular condition of the retina,
XX CC brain or skin, growth factor-mediated malignancies, other sclerotic
XX CC disease, kidney disease, hyperproliferation of the inside of blood
XX CC vessels or any other hyperplasia
XX SQ Sequence 15 BP; 6 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1349 GGGAGAGAAATATT 1363
Db ||||| ||||| |||||
1 GGGAGAGAGAAATATT 15

RESULT 151
AAF48105/c
ID AAF48105 standard; DNA; 15 BP.
XX AC AAF48105;
XX DT 30-MAR-2001 (first entry)
XX DE IGFBP3 oligonucleotide #1525.
XX KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
KW KW cytosstatic; dermatological; cardiant; virucide; ophthalmological; keloid;
KW KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
KW KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
KW KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
KW KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
KW KW hyperneovascular condition; hyperplasia; kidney disease;

```

KW neovascular condition of the retina; ss.
 XX Homo sapiens.
 OS WO200078341-A1.
 XX 28-DEC-2000.
 PD
 XX 21-JUN-2000; 2000WO-AU000693.
 PF
 XX 21-JUN-1999; 98US-0140345P.
 PR
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 PA
 XX Wright CJ, Werther GA, Edmondson SR;
 PI WPI; 2001-041421/05.
 XX
 DR Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 XX UV (ultra-violet) treatment (optional) and an antisenescence nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 XX
 PS Example 7; Page 54; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisenescence oligonucleotide, (for insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, seborrheoa, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX
 SQ Sequence 15 BP; 3 A; 2 C; 2 G; 8 T; 0 U; 0 Other;
 XX
 Query Match 9.1%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 86.7%; Pred. No. 2.3e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1432 TGCAGACATATACAT 1446
 DB 15 TGAAGACATAAACAT 1
 RESULT 152
 ABK32166/C
 ID ABK32166 standard; DNA; 15 BP.
 XX
 AC ABK32166;
 XX
 DT 23-APR-2002 (first entry)
 XX
 DE Human colon cancer SAGE tag #267.
 XX
 KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
 KW serial analysis of gene expression; diagnostic; prognostic; probe;
 KW cancer marker; ss.
 XX
 OS Homo sapiens.
 XX
 PN US6333152-B1.
 XX
 PD 25-DEC-2001.
 XX
 XX 20-MAY-1998; 98US-00081646.
 PF

XX 20-MAY-1998; 98US-00081646.
 PR
 XX (UYJO) UNIV JOHNS HOPKINS.
 PA
 XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
 PI WPI; 2002-153821/20.
 XX
 DR New human nucleic acid containing specific SAGE tags, useful as
 XX diagnostic markers for cancer, also derived probes.
 PT
 XX Disclosure; Col 32; 161pp; English.
 PS
 XX The invention relates to an isolated, purified human nucleic acid (I)
 CC that has the same sequence as a mRNA found in humans and is a SAGE
 CC (serial analysis of gene expression) tag comprising a single stranded
 CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
 CC diagnostic and prognostic markers of cancer, especially of the colon and
 CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
 CC SAGE tags of the invention
 XX
 SQ Sequence 15 BP; 3 A; 4 C; 2 G; 6 T; 0 U; 0 Other;
 XX
 Query Match 9.1%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 86.7%; Pred. No. 2.3e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1433 GCAGACATATACATG 1447
 DB 15 GTAGACAGATACATG 1
 RESULT 153
 AAN70234
 ID AAN70234 standard; DNA; 16 BP.
 XX
 AC AAN70234;
 XX
 DT 03-OCT-2002 (revised)
 DT 15-APR-1991 (first entry)
 XX
 DE Sequence of domain comprising at least one restriction site in plasmid
 DE capable of replication in Bacillus strains.
 XX
 KW Bacillus expression plasmid; ss.
 XX
 OS Synthetic.
 XX
 PN BP224294-A.
 XX
 PD 03-JUN-1987.
 XX
 PF 10-NOV-1986; 86EP-00201951.
 XX
 PR 08-NOV-1985; 85NL-00003074.
 XX
 PA (KONN) GIST-BROCADES NV.
 XX
 PI Vanee JH, Huygens AV;
 XX WPI; 1987-151763/22.
 DR
 XX New plasmid capable of replication in Bacillus strains - useful in
 PT evaluating regulatory or signal sequences for expression of hybrid gene.
 PT
 XX Claim 2A; pl9; 26pp; English.
 PS
 XX The patent application claims a plasmid contg. a restriction site, (a
 CC promoter region), an RBS and a signal sequence. The plasmid when
 CC introduced into a Bacillus host is useful for determining the efficiency
 CC of functional element(s) in the prodn. of a peptide. (Updated on 03-OCT-
 CC 2002 to add missing OS field.)

```

XX SQ Sequence 16 BP; 5 A; 2 C; 6 G; 3 T; 0 U; 0 Other;
    Query Match          9.1%; Score 11.8; DB 1; Length 16;
    Best Local Similarity 86.7%; Pred. No. 2.5e+02;
    Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1390 GATCAAGAGGTTAA 1404
    |||||
Db 1 GATCCAGGAGGTGA 15

RESULT 154
AAQ83356/c
ID AAQ83356 standard; DNA; 16 BP.
XX
AC AAQ83356;
XX
DT 25-MAR-2003 (revised)
XX
DT 20-SEP-1995 (first entry)
XX
DE jub-B antisense oligonucleotide.
XX
KW c-jun; c-fos; jun-B; neuronal injury; cell death; neoplasm; antisense;
KW phosphorothioate; ss.
XX
OS Synthetic.
XX
PN WO9502051-A2.
XX
PD 19-JAN-1995.
XX
PF 06-JUL-1994; 94WO-EP002218.
XX
PR 10-JUL-1993; 93EP-00111059.
XX
PA (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX
PI Schlingensiepen G, Schlingensiepen R, Schlingensiepen K, Brysch W;
XX WPI; 1995-066896/09.
XX
DR Use of antisense c-jun, c-fos or jun-B nucleic acids - for preventing and
XX PT treating neuronal injury, degeneration, cell death and/or neoplasms.
XX PS Claim 2; Page 45; 86pp; English.
XX
CC Antisense nucleic acid hybridizing with an area of the mRNA and/or DNA
CC comprising the genes c-jun, jun-B or c-fos, expression of which plays a
CC causal role in neuronal injury, degeneration, cell death and/or
CC neoplasms, can be used to prevent and treat such conditions. c-jun
CC antisense sequences are described in AAQ83267-321 and AAQ83440-43; jun-B
CC antisense sequences are described in AAQ83322-63 and AAQ83444-45; and c-
CC fos antisense sequences are described in AAQ83364-439 and AAQ83446- 51.
CC Preferably the antisense sequences are phosphorothioate oligonucleotides
CC since these are not destroyed as fast by endogenous factors as naturally
CC occurring molecules. (Updated on 25-MAR-2003 to correct PN field.)
XX
XX SQ Sequence 16 BP; 2 A; 3 C; 4 G; 7 T; 0 U; 0 Other;
    Query Match          9.1%; Score 11.8; DB 1; Length 16;
    Best Local Similarity 86.7%; Pred. No. 2.5e+02;
    Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1438 CATATACATGGAAGA 1452
    |||||
Db 15 CATCAACATGGAAGA 1

RESULT 155
AAT36420/c
ID AAT36420 standard; DNA; 16 BP.
XX

```

```

AC AAT36420;
XX
DT 15-APR-1997 (first entry)
XX
DE Human papillomavirus 34 (HPV34) E6 gene 3' primer.
XX
KW Human papillomavirus; HPV; oncogene; cervical cancer; neoplasia; probe;
KW detection amplification; diagnosis; prognosis; high risk; low risk;
KW ELISA; enzyme-linked immunosorbent assay; PCR; primer;
KW polymerase chain reaction; ss.
XX
OS Synthetic.
XX
PN WO9625521-A1.
XX
PD 22-AUG-1996.
XX
PF 16-FEB-1996; 96WO-US002130.
XX
PR 17-FEB-1995; 95US-00390684.
XX
PR 07-JUN-1995; 95US-00479777.
XX
PA (UYCO ) UNIV COLUMBIA NEW YORK.
XX
PI Silverstein SJ, Lungu O, Wright TC, Richart RM;
XX WPI; 1996-393421/39.
XX
DR Detecting high oncogenic potential human papilloma virus strains - by
XX PT specific PCR of nucleic acid in cervical cells, reacting amplified prod.
XX PT with specific probe and detecting bound probe by ELISA.
XX
PS Claim 10; Page 21; 56pp; English.
XX
CC AAT36418-T36420 are a 5' primer, probe and 3' primer, respectively, used
CC for the amplification and detection of human papillomavirus 34 (HPV34) E6
CC gene. The E6 gene product is implicated in human papillomavirus
CC carcinogenesis and therefore should be present in all HPV related
CC cervical carcinomas. The primers and probe are used in a PCR/ELISA method
CC for the diagnosis of HPV34 in a sample. HPV34 is a low-risk oncogenic HPV
CC type, detection of the E6 gene in a sample indicates only a low risk of
CC cervical cancer development. Primers and probes for high-risk HPV types
CC (HPV16, HPV18, HPV35, etc.) are also used in the same PCR/ELISA method
CC for diagnosis of oncogenic potential of a cervical smear. The probes and
CC primers are also useful for diagnosing cervical cancer and high grade
CC cervical lesions
XX
XX SQ Sequence 16 BP; 6 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
    Query Match          9.1%; Score 11.8; DB 1; Length 16;
    Best Local Similarity 86.7%; Pred. No. 2.5e+02;
    Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTCAC 1367
    |||||
Db 15 ATAAAAATATTCAC 1

RESULT 156
ABZ34141
ID ABZ34141 standard; DNA; 16 BP.
XX
AC ABZ34141;
XX
DT 31-JAN-2003 (first entry)
XX
DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:383.
XX
KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
XX OS Human immunodeficiency virus 1.

```


OS Synthetic.
 XX WO200255741-A2.
 XX
 XX PD 18-JUL-2002.
 XX
 XX PF 09-JAN-2002; 2002WO-EP000153.
 XX
 XX PR 11-JAN-2001; 2001EP-00870005.
 XX PR 20-APR-2001; 2001EP-00870085.
 XX PR 24-APR-2001; 2001US-0286102P.
 XX
 XX PA (INNO-) INNOGENETICS NV.
 XX
 XX PI De Smet K, Stuyver L;
 XX
 XX DR WPI; 2002-590680/63.
 XX
 XX PT Detecting mutations associated with anti-HIV drug resistance comprises
 PT detecting at least one of the mutations in the HIV reverse transcriptase
 PT gene by using probes optimized to function together in a reverse-
 XX hybridization assay.
 XX
 XX PS Claim 2; Page 26; 117pp; English.
 XX
 XX CC The present invention describes a method for detecting mutations
 CC associated with anti-HIV drug resistance in a patient by detecting at
 CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
 CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
 CC of HIV strains in a biological sample using a specific set of probes
 CC optimised to function together in a reverse-hybridisation assay. The
 CC method and the nucleic acid sequences used in the method are useful for
 CC determining viral mutations and/or polymorphisms in the HIV RT gene
 CC associated with resistance. The probes are useful for the genetic
 CC detection, preferably in vitro detection of the mutations K103N/R,
 CC V106A/I/L, Y181C/I, M184V/I, Y188L, G190A/S/R and/or
 CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
 CC mutation is associated with anti-HIV drug resistance. The method provides
 CC a rapid, reliable and precise assay or determination and monitoring of
 CC antiviral drug resistance or mutations associated with drug resistance of
 CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
 CC sequences and probes which are used in the exemplification of the present
 CC invention
 XX
 XX SQ Sequence 16 BP; 7 A; 1 C; 4 G; 4 T; 0 U; 0 Other;
 Query Match 9.1%; Score 11.8; DB 1; Length 16;
 Best Local Similarity 86.7%; Pred. No. 2.5e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1441 ATACATGGAGATGG 1455
 Db 2 ATACATAGATGATGG 16
 RESULT 157
 ABF89702/C
 ID ABF89702 standard; DNA; 13 BP.
 XX
 XX AC ABF89702;
 XX
 XX DT 22-FEB-2002 (first entry)
 XX
 XX DE Oligonucleotide SEQ ID NO 189699 for detecting SNP TSC0046671.
 XX
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX OS Homo sapiens.
 XX
 XX PN WO200177384-A2.
 XX

PD 18-OCT-2001.
 XX
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX
 XX PR 07-APR-2000; 2000DE-01019173.
 XX
 XX PA (EPIG-) EPIGENOMICS AG.
 XX
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX DR WPI; 2001-657177/75.
 XX
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX PS Claim 1; SEQ ID NO 189699; 29pp + Sequence Listing; German.
 XX
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
 Query Match 8.9%; Score 11.6; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 2.1e+02;
 Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1354 GAAATAATATTC 1365
 Db 13 RAAATAATATTC 2
 RESULT 158
 ABF89703
 ID ABF89703 standard; DNA; 13 BP.
 XX
 XX AC ABF89703;
 XX
 XX DT 22-FEB-2002 (first entry)
 XX
 XX DE Oligonucleotide SEQ ID NO 189700 for detecting SNP TSC0046671.
 XX
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX OS Homo sapiens.
 XX
 XX PN WO200177384-A2.
 XX
 XX PD 18-OCT-2001.
 XX
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX
 XX PR 07-APR-2000; 2000DE-01019173.
 XX
 XX PA (EPIG-) EPIGENOMICS AG.
 XX
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX DR WPI; 2001-657177/75.
 XX
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 138953; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAATG 1415
 DB 1 AAAATTGTTAAG 13
 RESULT 164
 ABF72422
 ID ABF72422 standard; DNA; 13 BP.
 AC ABF72422;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 172419 for detecting SNP TSC0042981.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 172419; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAATG 1415
 DB 1 AAAATTGTTAAG 13
 RESULT 164
 ABF72422
 ID ABF72422 standard; DNA; 13 BP.
 AC ABF72422;
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 172419 for detecting SNP TSC0042981.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 172419; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1406 ATTGTTAATGATG 1418
 DB 1 ATTGTTAATGTTG 13
 RESULT 165
 ABF50145
 ID ABF50145 standard; DNA; 13 BP.
 AC ABF50145;
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 150142 for detecting SNP TSC0037898.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 150142; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

RESULT 167
ABF89809

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XX WO200177384-A2.
PN
XX
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 66954; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1447 GGAAAGTGGTGTG 1459
DB 13 GGAAAGTGGTGTG 1
RESULT 169
ABF37727/C
ID ABF37727 standard; DNA; 13 BP.
XX
XX AC ABF37727;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 137724 for detecting SNP TSC0034420.
DE
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Oligonucleotide SEQ ID NO 137724 for detecting SNP TSC0034420.
DE
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 66954; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1447 GGAAAGTGGTGTG 1459
DB 13 GGAAAGTGGTGTG 1
RESULT 170
ABF54799
ID ABF54799 standard; DNA; 13 BP.
XX
XX AC ABF54799;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 154796 for detecting SNP TSC0009515.
DE
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 154796; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

```

CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1352 AAGAAAAATATTC 1364
 Db 1 AATAAAAAATATTC 13
 RESULT 171
 ABC99864
 ID ABC99864 standard; DNA; 13 BP.
 AC
 XX ABC99864;
 XX
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 99881 for detecting SNP TSC0024826.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 99881; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAAT 1414
 Db 1 TAAATTTGTTAAT 13
 RESULT 172
 ABH21402
 ID ABH21402 standard; DNA; 13 BP.
 XX
 AC ABH21402;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 221379 for detecting SNP TSC0053879.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 221379; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 0 C; 6 G; 0 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1347 AGCGGAAGAAAAA 1359
 Db 1 AGCGGAAGAAAAA 13
 RESULT 173
 ABC63923/C
 ID ABC63923 standard; DNA; 13 BP.
 XX
 AC ABC63923;
 XX
 DT 21-FEB-2002 (first entry)

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XX DE Oligonucleotide SEQ ID NO 63940 for detecting SNP TSC0016878.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 145723; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1407 TTGTTAATGATGA 1419
DB 13 TTGTTAATGTTGA 1
|||||
|

RESULT 174
ABF45726
ID ABF45726 standard; DNA; 13 BP.
AC ABF45726;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 145723 for detecting SNP TSC0036706.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 63940; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1406 ATTGTTAATGATG 1418
DB 1 ATTGTTAATGAAG 13
|||||
|

RESULT 175
ABF54798/C
ID ABF54798 standard; DNA; 13 BP.
AC ABF54798;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 154795 for detecting SNP TSC0009515.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.

```


XX PS Claim 1; SEQ ID NO 154795; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATTC 1364
Db 13 AATAAAAATATTC 1

RESULT 176
ID ABF37376 standard; DNA; 13 BP.
AC ABF37376;
XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 137373 for detecting SNP TSC0034317.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 137373; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: the sequence data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGTAAAAATT 1408
Db 1 AGTAGGTAAAAATT 13

RESULT 177
ID ABF45727/c
XX ABF45727 standard; DNA; 13 BP.
AC ABF45727;
XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 145724 for detecting SNP TSC0036706.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 145724; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGAG 1


```
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 56900; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX range of diseases including immune system, gastrointestinal, respiratory,
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1403 AAAATGTTAATG 1415
XX Db 13 AAAAATGTTAATG 1
XX
XX RESULT 181
XX ID ABF36994 standard; DNA; 13 BP.
XX AC ABF36994;
XX XX Homo sapiens.
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 136991 for detecting SNP TSC0034234.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 136991; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX range of diseases including immune system, gastrointestinal, respiratory,
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1361 ATTCCAGCATCA 1373
XX Db 13 AATCCAGCATCA 1
XX
XX RESULT 182
XX ID ABH23979 standard; DNA; 13 BP.
XX AC ABH23979;
XX XX Homo sapiens.
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 223956 for detecting SNP TSC0054559.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 223956; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX range of diseases including immune system, gastrointestinal, respiratory,
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 1 C; 5 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1361 ATTCCAGCATCA 1373
XX Db 13 AATCCAGCATCA 1
XX
XX RESULT 182
XX ID ABH23979 standard; DNA; 13 BP.
XX AC ABH23979;
XX XX Homo sapiens.
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 223956 for detecting SNP TSC0054559.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 223956; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX range of diseases including immune system, gastrointestinal, respiratory,
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
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Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1367
Db 1 AAAAATATTCAC 13

RESULT 183
ABC64653/C
ID ABC64653 standard; DNA; 13 BP.
XX
AC ABC64653;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64670 for detecting SNP TSC0017054.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 64670; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 4 C; 0 G; 9 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAGAGAAAA 1359
Db 13 AGGGGAGAGAAAA 1

RESULT 184
ABF73480/C
ID ABF73480 standard; DNA; 13 BP.
XX
XX

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AC ABF73480;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173477 for detecting SNP TSC0043213.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 173477; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
XX
XX Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
Db 13 AAAATATTCACG 1

RESULT 185
ABF54361/C
ID ABF54361 standard; DNA; 13 BP.
XX
XX ABF54361;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 154358 for detecting SNP TSC0039007.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX

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XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 154358; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH0010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1447 GGAGATGGGTG 1459
 DB 13 GAAAGATGGGTG 1
 RESULT 186
 ABF37377/C
 ID ABF37377 standard; DNA; 13 BP.
 XX AC ABF37377;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 137374 for detecting SNP TSC0034317.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 137374; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH0010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1396 AGGAGGTAAATT 1408
 DB 13 AGTAGGTAAATT 1
 RESULT 187
 ABF71587/C
 ID ABF71587 standard; DNA; 13 BP.
 XX AC ABF71587;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 171584 for detecting SNP TSC0042775.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 171584; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH0010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1396 AGGAGGTAAATT 1408
 DB 13 AGTAGGTAAATT 1
 RESULT 187
 ABF71587/C
 ID ABF71587 standard; DNA; 13 BP.
 XX AC ABF71587;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 171584 for detecting SNP TSC0042775.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIC-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 171584; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGAT 1417

Db 13 AATAGTTAATGAT 1

RESULT 188

ABF54360

ID ABF54360 standard; DNA; 13 BP.

XX AC

XX ABF54360;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 154357 for detecting SNP TSC0039007.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 154357; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTG 1459

Db 1 GAAAGATGGGTG 13

RESULT 189

ABF38957/C

ID ABF38957 standard; DNA; 13 BP.

XX AC

XX ABF38957;

XX DT 21-FEB-2002 (first entry)

XX DE

Oligonucleotide SEQ ID NO 138954 for detecting SNP TSC0034809.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 138954; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATGTTAATG 1415

Db 13 AAAATGTTAATG 1

RESULT 190

ABF51705/C

ID ABF51705 standard; DNA; 13 BP.

XX AC

XX ABF51705;

XX DT 21-FEB-2002 (first entry)

XX DE

Oligonucleotide SEQ ID NO 151702 for detecting SNP TSC0038332.

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XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 151702; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1400 GGTAAAATTGTTA 1412
Db 13 GTTAAAATTGTTA 1
RESULT 191
ABH37073/C
ID ABH37073 standard; DNA; 13 BP.
XX
AC ABH37073;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 237050 for detecting SNP TSC0057828.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 237050; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 3 C; 1 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGATG 1
RESULT 192
ABC5923/C
ID ABC5923 standard; DNA; 13 BP.
XX
AC ABC5923;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 59940 for detecting SNP TSC0016022.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 59940; 29pp + Sequence Listing; German.
XX

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XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAAT 1414
 Db 13 TAAATTTGTTAAT 1
 ||||| |||||

RESULT 193
 ABC38138/c
 ID ABC38138 standard; DNA; 13 BP.
 AC ABC38138;
 DT 20-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 38155 for detecting SNP TSC0011826.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 WO200177384-A2.
 18-OCT-2001.
 06-APR-2001; 2001WO-IB000713.
 07-APR-2000; 2000DE-01019173.
 (EPIG-) EPIGENOMICS AG.
 Olek A, Piepenbrock C, Berlin K;
 WPI; 2001-657177/75.
 Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 Claim 1; SEQ ID NO 38155; 29pp + Sequence Listing; German.
 This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1361 ATTCCACGCATCA 1373
 Db 13 ATTCCACGCATCA 1
 ||||| |||||

RESULT 194
 ABC64652
 ID ABC64652 standard; DNA; 13 BP.
 AC ABC64652;
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 64669 for detecting SNP TSC0017054.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 WO200177384-A2.
 18-OCT-2001.
 06-APR-2001; 2001WO-IB000713.
 07-APR-2000; 2000DE-01019173.
 (EPIG-) EPIGENOMICS AG.
 Olek A, Piepenbrock C, Berlin K;
 WPI; 2001-657177/75.
 Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
 Claim 1; SEQ ID NO 64669; 29pp + Sequence Listing; German.
 This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 9 A; 0 C; 4 G; 0 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1347 AGGGGAGAAAAA 1359
 Db 1 AGGGGAGAAAAA 13
 ||||| |||||

RESULT 195


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ABH16258
ID ABH16258 standard; DNA; 13 BP.
XX AC
XX ABH16258;
XX AC
XX 22-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide SEQ ID NO 216235 for detecting SNP TSC0052586.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX 21-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide SEQ ID NO 44789 for detecting SNP TSC0013109.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX

ABH16258
ID ABH16258 standard; DNA; 13 BP.
XX AC
XX ABH16258;
XX AC
XX 22-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide SEQ ID NO 216235 for detecting SNP TSC0052586.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIG-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PT
XX Claim 1; SEQ ID NO 216235; 29pp + Sequence Listing; German.
XX PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
XX SQ
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 1404 AAATTGTTAATGA 1416
XX Db 1 AAATTGATAATGA 13
XX
XX RESULT 196
XX ABC44772
XX ID ABC44772 standard; DNA; 13 BP.
XX AC
XX ABC44772;
XX AC
XX 21-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide SEQ ID NO 44789 for detecting SNP TSC0013109.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX

ABH16258
ID ABH16258 standard; DNA; 13 BP.
XX AC
XX ABH16258;
XX AC
XX 22-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide SEQ ID NO 216235 for detecting SNP TSC0052586.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIG-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PT
XX Claim 1; SEQ ID NO 216235; 29pp + Sequence Listing; German.
XX PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 1404 AAATTGTTAATGA 1416
XX Db 1 AAATTGATAATGA 13
XX
XX RESULT 197
XX ABC83712
XX ID ABC83712 standard; DNA; 13 BP.
XX AC
XX ABC83712;
XX AC
XX 21-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide SEQ ID NO 83729 for detecting SNP TSC0021078.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX WO200177384-A2.
XX PN
XX 18-OCT-2001.
XX PD
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIG-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI

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XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 83729; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1448 GAAGATCGGTGA 1460
 DB 1 GATGATCGGTGA 13
 RESULT 198
 ABH37043
 ID ABH37043 standard; DNA; 13 BP.
 XX
 AC ABH37043;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 237020 for detecting SNP TSC0057824.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 237020; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 6 C; 1 G; 2 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1361 ATCCACGCATCA 1373
 DB 1 ATCCACGCATCA 13
 RESULT 199
 ABF89808/C
 ID ABF89808 standard; DNA; 13 BP.
 XX
 AC ABF89808;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 189805 for detecting SNP TSC0046704.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 189805; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 1 C; 4 G; 5 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;

[illegible]

XX PF 06-APR-2001; 2001WO-IB000713.
 XX XX 07-APR-2000; 2000DE-01019173.
 XX PR (EPIG-) EPIGENOMICS AG.
 XX PA Olek A, Piepenbrock C, Berlin K;
 XX PI WPI; 2001-657177/75.
 XX DR
 XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX XX
 XX PS Claim 1; SEQ ID NO 63939; 29pp + Sequence Listing; German.
 XX XX
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1407 TTGTTAATGATGA 1419
 Db 1 TTGTTAATGTTGA 13
 RESULT 203
 ID ABC66936 standard; DNA; 13 BP.
 XX AC ABC66936;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 66953 for detecting SNP TSC0017542.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX PI WPI; 2001-657177/75.
 XX DR
 XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.
 XX Claim 1; SEQ ID NO 66953; 29pp + Sequence Listing; German.
 XX XX
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1447 CGAAGATGGGTTG 1459
 Db 1 CGAAGATGGGTTG 13
 RESULT 204
 ID ABF72423 standard; DNA; 13 BP.
 XX AC ABF72423;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 172420 for detecting SNP TSC0042981.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX PI WPI; 2001-657177/75.
 XX DR
 XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX XX
 XX PS Claim 1; SEQ ID NO 172420; 29pp + Sequence Listing; German.
 XX XX
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418

Db 13 ATTGTTAATGTTG 1

RESULT 205

ABF50144/c
ID ABF50144 standard; DNA; 13 BP.

XX AC ABF50144;

XX DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 150141 for detecting SNP TSC0037898.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 150141; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364

Db 13 AAAAAAATATTC 1

RESULT 206

ABH16257/c
ID ABH16257 standard; DNA; 13 BP.

XX AC ABH16257;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 216234 for detecting SNP TSC0052586.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

PS Claim 1; SEQ ID NO 216234; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416

Db 13 AAATTGGTAAATGA 1

RESULT 207

ABC56882
ID ABC56882 standard; DNA; 13 BP.

XX AC ABC56882;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 56899 for detecting SNP TSC0015400.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 56899; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
 CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
 CC Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 CC Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAATG 1415
 DB 1 AAAAATGTTAATG 13
 RESULT 208
 ABC59922
 ID ABC59922 standard; DNA; 13 BP.
 XX AC ABC59922;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 59939 for detecting SNP TSC0016022.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 59939; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
 CC Query Match 8.8%; Score 11.4; DB 1; Length 13;
 CC Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 CC Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1402 TAAAAATGTTAAT 1414
 DB 1 TAAAAATGTTAAT 13
 RESULT 209
 ABH31582
 ID ABH31582 standard; DNA; 13 BP.
 XX AC ABH31582;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 231559 for detecting SNP TSC0056462.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 231559; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
SQ

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1403 AAAATTGTTAATG 1415
DB 1 AAAATTGATAATG 13

RESULT 210
ABH37042/c
ID ABH37042 standard; DNA; 13 BP.
XX AC ABH37042;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 237019 for detecting SNP TSC0057824.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 237019; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 1 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1448 GAGATCGGTTGA 1460
DB 13 GATGATCGGTTGA 1

RESULT 212
ABF37726
ID ABF37726 standard; DNA; 13 BP.

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1361 ATTCACGCGATCA 1373
DB 13 ACTCCAGCGATCA 1

RESULT 211
ABC83713/c
ID ABC83713 standard; DNA; 13 BP.
XX AC ABC83713;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 83730 for detecting SNP TSC0021078.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 83730; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1448 GAGATCGGTTGA 1460
DB 13 GATGATCGGTTGA 1

RESULT 212
ABF37726
ID ABF37726 standard; DNA; 13 BP.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 231560; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAATG 1415
DB 13 AAAATTGATAATG 1
|||||
RESULT 215
ABH37071/c
ID ABH37071 standard; DNA; 13 BP.
XX
XX ABH37071;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 237048 for detecting SNP TSC0057828.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 237048; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1406 ATTGTTAATGATG 1418
DB 13 ATTGTTGATGATG 1
|||||
RESULT 216
ABH16256
ID ABH16256 standard; DNA; 13 BP.
XX
XX ABH16256;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 216233 for detecting SNP TSC0052586.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 216233; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

QY      1404 AAATTGTTAATGA 1416
Db      1 AAATTGTTAATGA 13

RESULT 217
ABH16259/C
ID      ABH16259 standard; DNA; 13 BP.
XX
AC      ABH16259;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 216236 for detecting SNP TSC0052586.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
PI      WPI; 2001-657177/75.
XX
DR      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
PS      Claim 1; SEQ ID NO 216236; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1404 AAATTGTTAATGA 1416
Db      13 AAATTGTTAATGA 1

RESULT 218
ABC99865/C
ID      ABC99865 standard; DNA; 13 BP.
XX
AC      ABC99865;
XX
DT      21-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 161090 for detecting SNP TSC0040557.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PS      Claim 1; SEQ ID NO 99882; 29pp + Sequence Listing; German.
XX
CC      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAATTGTTAAT 1414
Db      13 TAAATTGTTAAT 1

RESULT 219
ABF61093/C
ID      ABF61093 standard; DNA; 13 BP.
XX
AC      ABF61093;
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 161090 for detecting SNP TSC0040557.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
PN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX

```

XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 161090; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
 XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
 XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAATG 1415
 DB 13 AAAATTGTTAATG 1
 RESULT 220
 ABH37070
 ID ABH37070 standard; DNA; 13 BP.
 XX AC ABH37070;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 237047 for detecting SNP TSC0057828.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 237047; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
 XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
 XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
 XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1406 ATTGTTAATGATG 1418
 DB 1 ATTGTTAATGATG 13
 RESULT 221
 ABH37072
 ID ABH37072 standard; DNA; 13 BP.
 XX AC ABH37072;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 237049 for detecting SNP TSC0057828.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPiG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 237049; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at

XX DE oligonucleotide SEQ ID NO 85504 for detecting SNP TSC0021486.

```
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 85504; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1403 AAAATTGTTATG 1415
XX |||||
XX 13 AAAATTGTTATG 1
XX
XX RESULT 225
XX ABC64447/C
XX ID ABC64447 standard; DNA; 13 BP.
XX
XX AC ABC64447;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 64464 for detecting SNP TSC0017001.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 85504; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1403 AAAATTGTTATG 1415
XX |||||
XX 13 AAAATTGTTATG 1
XX
XX RESULT 225
XX ABC64447/C
XX ID ABC64447 standard; DNA; 13 BP.
XX
XX AC ABC64447;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 64464 for detecting SNP TSC0017001.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 173478; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 13;
XX Best Local Similarity 92.3%; Pred. No. 2.3e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1407 TTGTTAATGATGA 1419
XX |||||
XX 13 TTTTAAATGATGA 1
XX
XX RESULT 226
XX ABF73481
XX ID ABF73481 standard; DNA; 13 BP.
XX
XX AC ABF73481;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 173478 for detecting SNP TSC0043213.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 173478; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
```

```
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1356 AAAATATTCCACG 1368
Db 1 AAAATATTCCACG 13

RESULT 227
ABH23978/C
ID ABH23978 standard; DNA; 13 BP.
XX
AC ABH23978;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 223955 for detecting SNP TSC0054559.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 223955; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAATATTCCAC 1367
Db 13 AAAATATTCTAC 1

RESULT 228
ABF51704
ID ABF51704 standard; DNA; 13 BP.
XX
AC ABF51704;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 151701 for detecting SNP TSC0038332.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 151701; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GSTAAATTTGTTA 1412
Db 1 GTTAAATTTGTTA 13

RESULT 229
ACA61892/C
ID ACA61892 standard; DNA; 14 BP.
XX
AC ACA61892;
```

```

XX 27-OCT-2003 (revised)
XX DT 31-JUL-2003 (first entry)
XX DE RT-PCR primer for cDNA encoding seepweed choline monooxygenase (CWO).
XX KW Seepweed; choline monooxygenase; CWO; gene conversion; salt tolerance;
XX KW low temperature resistance; drought tolerance; reverse transcriptase-PCR;
XX KW RT-PCR; primer; ss.
XX OS Suaeada liaotungensis; kitag.
XX PH Key Location/Qualifiers
XX FT modified_base 1 /*tag= a
XX FT /mod_base= OTHER
XX FT /note= "Optionally modified by p (not defined)"
XX FT
XX CN1364905-A.
XX 21-AUG-2002.
XX 12-JAN-2001; 2001CN-00106075.
XX 12-JAN-2001; 2001CN-00106075.
XX (UYDA-) UNIV DALIAN SCI & ENG.
XX Li Q, Gao X, An L;
XX WPI; 2003-000543/01.
XX Suaeada liaotungensis kitag choline monooxygenase gene and its cloning.
XX Example 1; Page 6 (disclosure); 14pp; Chinese.
XX The present invention relates to the isolation of seepweed (Suaeada
XX liaotungensis kitag) choline monooxygenase (CWO), and the polynucleotide
XX sequence encoding it. The present invention may be used in gene
XX conversion to reach the aim of raising a plant's salt tolerance, low
XX temperature resistance, and drought tolerance. The present sequence
XX represents a reverse transcriptase (RT)-PCR primer used in the examples
XX of the present invention. (Updated on 27-OCT-2003 to standardise OS
XX field)
XX Sequence 14 BP; 5 A; 2 C; 5 G; 2 T; 0 U; 0 Other;
SQ Query Match 8.8%; Score 11.4; DB 1; Length 14;
Best Local Similarity 92.3%; Pred. No. 2.5e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1418 GACCAATCGTCTCT 1430
Db 14 GACCAATCGTCTCT 2
RESULT 230
AAT49821
ID AAT49821 standard; RNA; 15 BP.
XX AAT49821;
XX 07-MAR-1997 (first entry)
XX Human CERP HH ribozyme target sequence #1707.
XX Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
XX neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
XX reverse cholesterol transport; high density lipoprotein; therapy; CERP;
XX familial hypercholesterolaemia; dyslipidaemia; hypoalphalipoproteinaemia;
XX peripheral vascular disease; hyperbetalipoproteinaemia; RCT; inhibitor;
XX angioplastic restenosis; low density lipoprotein; diabetes; HDL; human;
XX LDL; ss.
XX OS Homo sapiens.
XX XX WO9620279-A1.
XX PD 04-JUL-1996.
XX 11-DEC-1995; 95WO-US016000.
XX 23-DEC-1994; 94US-00363240.
XX (RIBO-) RIBOZYME PHARM INC.
XX (WARN ) WARNER LAMBERT CO.
XX Couture L, Stinchcomb D, Mcswiggen J, Bisgaier C, Page M;
XX WPI; 1996-321852/32.
XX New ribozyme(s) for cleaving cholesterol ester transfer protein mRNA -
XX useful for preventing or treating initial development, progression or
XX regression of vascular diseases, esp. familial hypercholesterolaemia.
XX Claim 4; Page 32; 72pp; English.
XX AAT49608-T49863 represent target sequences for the human cholesterol
XX ester transfer protein (CERP) hammerhead (HH) ribozymes (see AAT49881-
XX T50137). CERP is a 74 kD glycoprotein that facilitates neutral lipid
XX transfer between plasma lipoproteins. The numbering of the targets refers
XX to the position of the cleavage site in full length CERP. The ribozyme
XX binds to 5 nucleotides either side of this site, provided the sequence
XX is immediately upstream. The ribozymes are able to cleave mRNA from the
XX gene encoding CERP, thereby blocking synthesis and/or expression of the
XX mRNA. By inhibiting CERP, the reverse cholesterol transport (RCT) pathway
XX can be inhibited (or eliminated) thereby preventing the reduction in size
XX and density of the high density lipoproteins (HDL), prolonging HDL half life,
XX and therefore increasing HDL levels. The ribozymes can be used to treat
XX conditions associated with abnormal levels of CERP, specifically familial
XX hypercholesterolaemia, atherosclerosis, peripheral vascular disease,
XX hypoalphalipoproteinaemia, hypoalphalipoproteinaemia, dyslipidaemia,
XX vascular complications of diabetes, transplant, atherectomy and
XX angioplastic restenosis. By inhibiting CERP, the levels of HDL and low
XX density lipoproteins (LDL), and the HDL:LDL ratio are favourably altered
XX (a decrease in LDL levels, and a corresponding increase in HDL levels).
XX The HH ribozymes can also be used diagnostically to study genetic drift
XX and mutations in diseased cells, and to detect CERP mRNA. As the HH
XX ribozymes target specific regions of the CERP gene, they have low non-
XX specific activity
XX Sequence 15 BP; 3 A; 0 C; 7 G; 0 T; 5 U; 0 Other;
SQ Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 61.5%; Pred. No. 2.8e+02;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 1446 TCGAAGATGGGTT 1458
Db 1 UGGAAGTUGGGU 13
RESULT 231
AAT49669
ID AAT49669 standard; RNA; 15 BP.
XX AAT49669;
XX 28-FEB-1997 (first entry)
XX Human CERP HH ribozyme target sequence #670.
XX Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage;
XX neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy;
XX reverse cholesterol transport; high density lipoprotein; therapy; CERP;
XX familial hypercholesterolaemia; dyslipidaemia; hypoalphalipoproteinaemia;
XX angioplastic restenosis; low density lipoprotein; diabetes; HDL; human;
XX LDL; ss.

```



```
KW carbamoylase; D alpha amino acid; pharmaceutical intermediate;
KW penicillin; cephalosporin; pesticide; fluvanilate; sweetener; ss.
XX
XX Synthetic.
XX
XX EF775748-A2.
XX
XX 28-MAY-1997.
XX
XX 31-OCT-1996; 96EP-00117455.
XX
XX 23-NOV-1995; 95IT-MI002432.
XX
XX (ENIE ) ENIRICERHE SPA.
XX
XX Grifantini R, Galli G, Grandi G, Carpani G;
XX
XX WPI; 1997-283101/26.
XX
XX Production of D-alpha-amino acid from racemic 5-substituted hydantoin -
XX using recombinant microorganism expressing hydantoinase and carbamoylase.
XX
XX Claim 1; Page 10; 16pp; English.
XX
XX A process for the production of D-alpha-amino acids has been improved.
XX The process is effected by stereoselective conversion of racemic 5-
XX substituted hydantoin with an enzyme system produced by a microorganism,
XX which is obtained by: (a) constructing plasmid pSM700 (CBS 668.95), which
XX contains a carbamoylase-hydantoinase operon under the control of a
XX constitutive promoter, where the region comprising the ribosome binding
XX site (RBS) upstream of the hydantoinase gene has the present sequence;
XX (b) transforming a microorganism with the plasmid; and (c) culturing the
XX microorganism in an aqueous medium containing assimilable sources of
XX carbon and nitrogen, cations, anions and optionally vitamins under
XX aerobic conditions at 20-28 degrees Celsius. D-alpha-amino acids are
XX useful as intermediates for pharmaceuticals (e.g. penicillins and
XX cephalosporins), pesticides (e.g. fluvanilate) or sweeteners. A single
XX microorganism expressing both D-hydantoinase and D-N-carbamoylase is used
XX in this method, which will reduce production costs and will increase the
XX conversion kinetics. E. coli SMC327 gives higher yields than the
XX currently used strain SMC305. (Updated on 25-MAR-2003 to correct PR
XX field.)
XX
XX Sequence 15 BP; 9 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 15;
XX Best Local Similarity 92.3%; Pred. No. 2.8e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407
Db 1 AAGGAGGAAAAAT 13

RESULT 234
AAAX31805/c
ID AAX31805 standard; DNA; 15 BP.
XX
XX AAX31805;
XX
XX 21-MAY-1999 (first entry)
XX
XX Transcript tag sequence increased in pancreatic and colorectal cancer.
XX
XX Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;
XX diagnosis; prognosis; treatment; ss.
XX
XX Homo sapiens.
XX
XX WO9853319-A2.
XX
XX 26-NOV-1998.
XX
XX Use of isolated gene transcripts - useful for developing products for the
XX diagnosis, prognosis and treatment of cancers, particularly colon and
XX pancreatic cancer.

PF 20-MAY-1998; 98WO-US010277.
XX
XX 21-MAY-1997; 97US-0047352P.
XX
XX (UYJO ) UNIV JOHNS HOPKINS.
XX
XX Vogelstein B, Kinzler KW;
XX
XX WPI; 1999-070161/06.
XX
XX Use of isolated gene transcripts - useful for developing products for the
XX diagnosis, prognosis and treatment of cancers, particularly colon and
XX pancreatic cancer.
XX
XX Disclosure; Page 79; 120pp; English.
XX
XX AAX30947-31815 represent tag sequences of transcripts that are
XX differentially expressed in colorectal cancer, in pancreatic cancer, or
XX in both. The tag sequences can be used to identify genes by matching the
XX tag to a gen data base member, or by using the tag sequences as probes to
XX isolate unidentified genes from cDNA libraries. The tag sequences can
XX also be used in a method for diagnosing colon or pancreatic cancer in a
XX sample suspected of being neoplastic. The method comprises comparing the
XX level of at least one transcript in a first sample of a tissue to a
XX second sample, where the first sample is a colonic tissue suspected of
XX being neoplastic and the second sample is a normal human colonic tissue.
XX The transcript is identified by a tag selected from AAX30947-31815. The
XX methods of the invention can be used in the diagnosis, prognosis and
XX treatment of cancer
XX
XX Sequence 15 BP; 2 A; 6 C; 1 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 15;
XX Best Local Similarity 92.3%; Pred. No. 2.8e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407
Db 14 AAGGAGGTAAACAT 2

RESULT 235
AAAX31143
ID AAX31143 standard; DNA; 15 BP.
XX
XX AAX31143;
XX
XX 21-MAY-1999 (first entry)
XX
XX Tag sequence of a transcript increased in colorectal cancer.
XX
XX Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;
XX diagnosis; prognosis; treatment; ss.
XX
XX Homo sapiens.
XX
XX WO9853319-A2.
XX
XX 26-NOV-1998.
XX
XX 20-MAY-1998; 98WO-US010277.
XX
XX 21-MAY-1997; 97US-0047352P.
XX
XX (UYJO ) UNIV JOHNS HOPKINS.
XX
XX Vogelstein B, Kinzler KW;
XX
XX WPI; 1999-070161/06.
XX
XX Use of isolated gene transcripts - useful for developing products for the
XX diagnosis, prognosis and treatment of cancers, particularly colon and
XX pancreatic cancer.
```

XX PS Claim 2; Page 32; 120pp; English.

XX CC AAX30947-31815 represent tag sequences of transcripts that are

CC differentially expressed in colorectal cancer, in pancreatic cancer, or

CC in both. The tag sequences can be used to identify genes by matching the

CC tag to a gen data base member, or by using the tag sequences as probes to

CC isolate unidentified genes from cDNA libraries. The tag sequences can

CC also be used in a method for diagnosing colon or pancreatic cancer in a

CC sample suspected of being neoplastic. The method comprises comparing the

CC level of at least one transcript in a first sample of a tissue to a

CC second sample, where the first sample is a colonic tissue suspected of

CC being neoplastic and the second sample is a normal human colonic tissue.

CC The transcript is identified by a tag, selected from AAX30947-31815. The

CC methods of the invention can be used in the diagnosis, prognosis and

CC treatment of cancer

XX SQ Sequence 15 BP; 4 A; 1 C; 7 G; 3 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;

Best Local Similarity 92.3%; Pred. No. 2.8e+02;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGG 1456

DB 1 CATGGAAGATGG 13

RESULT 236

AAX31156/C

ID AAX31156 standard; DNA; 15 BP.

XX AC AAX31156;

XX DT 21-MAY-1999 (first entry)

XX DE Tag sequence of a transcript increased in colorectal cancer.

XX KW Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;

XX KW diagnosis; prognosis; treatment; ss.

XX OS Homo sapiens.

XX PN WO9853319-A2.

XX PD 26-NOV-1998.

XX PF 20-MAY-1998; 98WO-US010277.

XX PR 21-MAY-1997; 97US-0047352P.

XX PA (UJJO) UNIV JOHNS HOPKINS.

XX PI Vogelstein B, Kinzler KW;

XX DR WPI; 1999-070161/06.

XX PT Use of isolated gene transcripts - useful for developing products for the

PT diagnosis, prognosis and treatment of cancers, particularly colon and

PT pancreatic cancer.

XX PS Claim 2; Page 33; 120pp; English.

XX CC AAX30947-31815 represent tag sequences of transcripts that are

CC differentially expressed in colorectal cancer, in pancreatic cancer, or

CC in both. The tag sequences can be used to identify genes by matching the

CC tag to a gen data base member, or by using the tag sequences as probes to

CC isolate unidentified genes from cDNA libraries. The tag sequences can

CC also be used in a method for diagnosing colon or pancreatic cancer in a

CC sample suspected of being neoplastic. The method comprises comparing the

CC level of at least one transcript in a first sample of a tissue to a

CC second sample, where the first sample is a colonic tissue suspected of

CC being neoplastic and the second sample is a normal human colonic tissue.

CC The transcript is identified by a tag selected from AAX30947-31815. The

CC methods of the invention can be used in the diagnosis, prognosis and

CC treatment of cancer

XX SQ Sequence 15 BP; 2 A; 6 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 15;

Best Local Similarity 92.3%; Pred. No. 2.8e+02;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407

DB 14 AAGGAGGTAAAT 2

RESULT 237

AAV93864/C

ID AAV93864 standard; RNA; 15 BP.

XX AC AAV93864;

XX DT 18-FEB-1999 (first entry)

XX DE Target sequence with sequence homology to c-raf and B-raf position 1806.

XX KW Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;

XX KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;

XX KW screening; identification; synthesis; deprotection; purification; cancer;

XX KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;

XX KW restenosis; rheumatoid arthritis; ss.

XX OS Homo sapiens.

XX PN WO9850530-A2.

XX PD 12-NOV-1998.

XX PR 05-MAY-1998; 98WO-US009249.

XX PR 09-MAY-1997; 97US-0046059P.

XX PR 03-JUN-1997; 97US-0049002P.

XX PR 03-JUL-1997; 97US-0051718P.

XX PR 22-AUG-1997; 97US-0056808P.

XX PR 02-OCT-1997; 97US-0061321P.

XX PR 02-OCT-1997; 97US-0061324P.

XX PR 05-NOV-1997; 97US-0064866P.

XX PR 19-DEC-1997; 97US-0068212P.

XX PA (RIBO-) RIBOZYME PHARM INC.

XX PI Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;

PI Parry T, Beigelman L, Meswigen JA, Karpeisky A, Burgin A;

PI Thompson J, Workman Ct, Beaudry A, Sweedler D;

XX DR WPI; 1999-009494/01.

XX PT Identifying new catalytic nucleic acid that modulates selected processes

PT - especially ribozymes that cleave Raf RNA for treating cancer,

PT restenosis, and also new ribozymes and modified nucleoside triphosphates

PT used as antiviral agents and synthons.

XX PS Claim 180; Page 177; 259pp; English.

XX CC A method has been developed for the identification of a nucleic acid

CC capable of modulating a process in a biological system. The method

CC comprises: (a) introducing into the system a random library of nucleic

CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising

CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC

CC in systems where modulation has occurred and/or determining the sequence

CC of at least part of the SBDs in such systems. Nucleic acid molecules with

CC endonuclease activity and catalytic activity, from the present invention,

CC are used to modulate gene expression in plant and mammalian cells and to

CC cleave target nucleic acid, particularly for treating systemic diseases

CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
 CC ascites and infection. They may also be used to detect genetic drift and
 CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
 CC with RNA-cleaving activity that modulate expression of the Raf gene, are
 CC used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
 CC generally any condition associated with the level of c-raf. Introduction
 CC of sugar/phosphate modifications increases stability against nuclease and
 CC activity. AAV90922 to AAV93877 represent NACs that can be used in the
 CC method, specifically for modulating the expression of a Raf gene
 XX
 XX Sequence 15 BP; 5 A; 2 C; 0 G; 0 T; 8 U; 0 Other;
 XX
 XX Query Match 8.8%; Score 11.4; DB 1; Length 15;
 XX Best Local Similarity 92.3%; Pred. No. 2.8e+02;
 XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1351 GAAGAAAATATT 1363
 Db 13 GAAGAAATATATT 1
 XX
 RESULT 238
 AAV93863/C
 ID AAV93863 standard; RNA; 15 BP.
 XX
 AC AAV93863;
 XX
 XX 18-FEB-1999 (first entry)
 DT
 DE Target sequence with sequence homology to c-raf and B-raf position 1804.
 XX
 XX Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
 KW target; substrate; catalyst; modulation; expression; Raf gene; delivery;
 KW screening; identification; synthesis; deprotection; purification; cancer;
 KW inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
 KW restenosis; rheumatoid arthritis; ss.
 XX
 OS Homo sapiens.
 XX
 XX WO9850530-A2.
 PN
 XX 12-NOV-1998.
 PD
 XX
 XX 05-MAY-1998; 98WO-US009249.
 PF
 XX
 XX 09-MAY-1997; 97US-0046059P.
 PR
 XX 09-JUN-1997; 97US-0049002P.
 PR
 XX 03-JUL-1997; 97US-0051718P.
 PR
 XX 22-AUG-1997; 97US-0056808P.
 PR
 XX 02-OCT-1997; 97US-0061321P.
 PR
 XX 02-OCT-1997; 97US-0061324P.
 PR
 XX 05-NOV-1997; 97US-0064866P.
 PR
 XX 19-DEC-1997; 97US-0068212P.
 XX
 XX (RIBO-) RIBOZYME PHARM INC.
 XX
 XX Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
 PI Parry T, Beigelman L, Mcswiggen JA, Karpelsky A, Burgin A;
 PI Thompson J, Workman CT, Beaudry A, Sweedler D;
 XX
 XX WPI; 1999-009494/01.
 DR
 XX
 XX Identifying new catalytic nucleic acid that modulates selected processes
 PT - especially ribozymes that cleave Raf RNA for treating cancer,
 PT restenosis, and also new ribozymes and modified nucleoside triphosphates
 PT used as antiviral agents and synthons.
 XX
 XX Claim 180; Page 177; 259pp; English.
 PS
 XX A method has been developed for the identification of a nucleic acid
 CC capable of modulating a process in a biological system. The method
 CC comprises: (a) introducing into the system a random library of nucleic
 CC acid catalysts (NAC) having a substrate binding domain (SBD), comprising

CC a random sequence, and a catalytic domain (CD); and (b) identifying NAC
 CC in systems where modulation has occurred and/or determining the sequence
 CC of at least part of the SBDs in such systems. Nucleic acid molecules with
 CC endonuclease activity and catalytic activity, from the present invention,
 CC are used to modulate gene expression in plant and mammalian cells and to
 CC cleave target nucleic acid, particularly for treating systemic diseases
 CC caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
 CC ascites and infection. They may also be used to detect genetic drift and
 CC mutations in diseased cells and to determine c-raf RNA. Specifically NACs
 CC with RNA-cleaving activity that modulate expression of the Raf gene, are
 CC used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
 CC generally any condition associated with the level of c-raf. Introduction
 CC of sugar/phosphate modifications increases stability against nuclease and
 CC activity. AAV90922 to AAV93877 represent NACs that can be used in the
 CC method, specifically for modulating the expression of a Raf gene
 XX
 XX Sequence 15 BP; 5 A; 2 C; 0 G; 0 T; 8 U; 0 Other;
 XX
 XX Query Match 8.8%; Score 11.4; DB 1; Length 15;
 XX Best Local Similarity 92.3%; Pred. No. 2.8e+02;
 XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1351 GAAGAAAATATT 1363
 Db 15 GAAGAAATATATT 3
 XX
 RESULT 239
 AAF46527
 ID AAF46527 standard; DNA; 15 BP.
 XX
 AC AAF46527;
 XX
 XX 30-MAR-2001 (first entry)
 DT
 DE IGFBP2 oligonucleotide #1366.
 XX
 XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; sarborrhoea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 XX Homo sapiens.
 OS
 XX WO200078341-A1.
 PN
 XX 28-DEC-2000.
 PD
 XX 21-JUN-2000; 2000WO-AU000693.
 PF
 XX 21-JUN-1999; 99US-0140345P.
 PR
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 PA
 XX Wraight CJ, Werther GA, Edmondson SR;
 PI
 XX WPI; 2001-041421/05.
 DR
 XX
 XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 XX Example 6; Page 43; 201pp; English.
 PS
 XX The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of

CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, kelooids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia

XX Sequence 15 BP; 6 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 15;
 Best Local Similarity 92.3%; Pred. No. 2.8e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAAT 1360
 Db 2 GGGGAGAGAGAAAT 14
 |||||

RESULT 240
 AAF46526
 ID AAF46526 standard; DNA; 15 BP.
 XX AC AAF46526;
 XX 30-MAR-2001 (first entry)
 XX IGFBP2 oligonucleotide #1365.

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; kelooid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

XX Homo sapiens.
 XX WO200078341-A1.
 XX 28-DEC-2000.
 XX 21-JUN-2000; 2000WO-AU000693.
 XX 21-JUN-1999; 99US-0140345P.
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 XX Wright CÜ, Werther GA, Edmondson SR;
 XX WPI; 2001-041421/05.
 XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

XX Example 6; Page 43; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-

CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, kelooids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia

XX Sequence 15 BP; 7 A; 0 C; 7 G; 1 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 15;
 Best Local Similarity 92.3%; Pred. No. 2.8e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAAT 1360
 Db 3 GGGGAGAGAGAAAT 15
 |||||

RESULT 241
 ABK32096
 ID ABK32096 standard; DNA; 15 BP.
 XX AC ABK32096;
 XX 23-APR-2002 (first entry)
 XX Human colon cancer SAGE tag #197.

XX Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
 KW serial analysis of gene expression; diagnostic; prognostic; probe;
 KW cancer marker; ss.

XX Homo sapiens.
 XX US6333152-B1.
 XX 25-DEC-2001.
 XX 20-MAY-1998; 98US-00081646.
 XX 20-MAY-1998; 98US-00081646.
 XX (UYJO) UNIV JOHNS HOPKINS.
 XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
 XX WPI; 2002-153821/20.
 XX New human nucleic acid containing specific SAGE tags, useful as
 PT diagnostic markers for cancer, also derived probes.
 XX Disclosure; Col 27; 161pp; English.

XX The invention relates to an isolated, purified human nucleic acid (I)
 CC that has the same sequence as a mRNA found in humans and is a SAGE
 CC (serial analysis of gene expression) tag comprising a single stranded
 CC probe containing at least 10 consecutive nucleotides. SAGE tags, are
 CC diagnostic and prognostic markers of cancer, especially of the colon and
 CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
 CC SAGE tags of the invention

XX Sequence 15 BP; 4 A; 1 C; 7 G; 3 T; 0 U; 0 Other;
 SQ Query Match 8.8%; Score 11.4; DB 1; Length 15;
 Best Local Similarity 92.3%; Pred. No. 2.8e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGG 1456
 Db 1 CATGGAAGATGTG 13
 |||||

```
RESULT 242
ABK32109/C
ID ABK32109 standard; DNA; 15 BP.
XX
XX ABK32109;
AC
XX 23-APR-2002 (first entry)
DT
XX Human colon cancer SAGE tag #210.
DE
XX Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
XX serial analysis of gene expression; diagnostic; prognostic; probe;
XX cancer marker; ss.
XX Homo sapiens.
XX US6333152-B1.
XX
XX 25-DEC-2001.
PD
XX
XX 20-MAY-1998; 98US-00081646.
PF
XX
XX 20-MAY-1998; 98US-00081646.
PR
XX
XX (UYJO ) UNIV JOHNS HOPKINS.
PA
XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
PI
XX WPI; 2002-153821/20.
XX
XX New human nucleic acid containing specific SAGE tags, useful as
XX diagnostic markers for cancer, also derived probes.
XX Disclosure; Col 28; 161pp; English.
XX
XX The invention relates to an isolated, purified human nucleic acid (I)
XX that has the same sequence as a mRNA found in humans and is a SAGE
XX (serial analysis of gene expression) tag comprising a single stranded
XX probe containing at least 10 consecutive nucleotides. SAGE tags, are
XX diagnostic and prognostic markers of cancer, especially of the colon and
XX pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
XX SAGE tags of the invention
XX
XX Sequence 15 BP; 2 A; 6 C; 1 G; 6 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 15;
XX Best Local Similarity 92.3%; Pred. No. 2.8e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1395 AAGGAGGTAAAT 1407
XX
XX Db 14 AAGGAGGTAAAT 2
XX
XX RESULT 243
XX ABK32759/C
XX ID ABK32759 standard; DNA; 15 BP.
XX
XX XX ABK32759;
AC
XX
XX 23-APR-2002 (first entry)
DT
XX Human colorectal and pancreatic cancer SAGE tag #126.
DE
XX
XX Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
XX serial analysis of gene expression; diagnostic; prognostic; probe;
XX cancer marker; ss.
XX Homo sapiens.
XX
XX US6333152-B1.
XX
XX 25-DEC-2001.
PD
```

```
XX
XX 20-MAY-1998; 98US-00081646.
XX
XX 20-MAY-1998; 98US-00081646.
XX
XX (UYJO ) UNIV JOHNS HOPKINS.
XX
XX Vogelstein B, Kinzler KW, Zhang L, Zhou W;
XX
XX WPI; 2002-153821/20.
XX
XX New human nucleic acid containing specific SAGE tags, useful as
XX diagnostic markers for cancer, also derived probes.
XX Disclosure; Col 93; 161pp; English.
XX
XX The invention relates to an isolated, purified human nucleic acid (I)
XX that has the same sequence as a mRNA found in humans and is a SAGE
XX (serial analysis of gene expression) tag comprising a single stranded
XX probe containing at least 10 consecutive nucleotides. SAGE tags, are
XX diagnostic and prognostic markers of cancer, especially of the colon and
XX pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
XX SAGE tags of the invention
XX
XX Sequence 15 BP; 2 A; 6 C; 1 G; 6 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.8%; Score 11.4; DB 1; Length 15;
XX Best Local Similarity 92.3%; Pred. No. 2.8e+02;
XX Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1395 AAGGAGGTAAAT 1407
XX
XX Db 14 AAGGAGGTAAAT 2
XX
XX RESULT 244
XX AB199064
XX ID AB199064 standard; DNA; 15 BP.
XX
XX XX AB199064;
AC
XX
XX 27-FEB-2002 (first entry)
DT
XX
XX Human PCDH2 ASO probe SEQ ID NO 21.
DE
XX
XX Human; PCDH2; protocadherin 2; haplotyping; polymorphic variant; SNP;
XX single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31;
XX allele-specific oligonucleotide; ASO; probe; ss.
XX
XX Homo sapiens.
XX
XX WO200194361-A2.
XX
XX 13-DEC-2001.
PD
XX
XX 06-JUN-2001; 2001WO-US018321.
XX
XX 06-JUN-2000; 2000US-0209564P.
XX
XX (GENA-) GENAISANCE PHARM INC.
XX
XX Kliem SE, Koshy B, Tanguay DA;
XX
XX WPI; 2002-097928/13.
XX
XX New protocadherin 2 (PCDH2) polymorphic variants and encoding genes,
XX useful in expressing PCDH2 protein for screening candidate drugs to treat
XX diseases related to PCDH2 activity.
XX
XX Claim 16; Page 13; 127pp; English.
XX
XX The invention relates to haplotyping the protocadherin 2 (PCDH2) gene,
XX comprising determining which of the haplotypes given in the specification
XX
```

CC defines one or both copies of the individual's PCDH2 gene. The
 CC polymorphisms are within a 30244 base pair sequence (ABA05413), fully
 CC defined in the specification. The polymorphic variants are useful in
 CC studying the expression and function of PCDH2, in expressing PCDH2
 CC protein for use in screening for candidate drugs to treat diseases such
 CC as cancer, related to PCDH2 activity, in studying the effect of the
 CC variation on the biological activity of PCDH2 and the binding affinity of
 CC candidate drugs targeting PCDH2. The haplotyping methods are useful in
 CC validating PCDH2 as a candidate target for treating a specific condition
 CC or disease predicted to be associated with PCDH2 activity or in the
 CC design of clinical trials of candidate drugs for treating a specific
 CC condition or disease associated with PCDH2 activity. The present sequence
 CC is that of a PCDH2 allele-specific oligonucleotide (ASO) probe of the
 CC invention
 CC
 SQ Sequence 15 BP; 6 A; 1 C; 4 G; 3 T; 0 U; 1 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 15;
 Best Local Similarity 80.0%; Pred. No. 2.8e+02;
 Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 QY 1455 GGTGTGATCAAGCAAA 1469
 Db 1 GGTGAAATGCAAA 15
 RESULT 245
 AAL54230/C
 ID AAL54230 standard; DNA; 15 BP.
 XX AC AAL54230;
 XX DT 27-MAR-2003 (first entry)
 XX DE RNAP recognition and target sequence spacer DNA, SEQ ID No 11.
 XX KW Oligonucleotide primer; spacer sequence; intermediate duplex;
 XX KW phase-encoded RNA polymerase recognition sequence; ds.
 XX OS Unidentified.
 XX WO200298895-A1.
 XX 12-DEC-2002.
 XX 07-JUN-2002; 2002WO-US018229.
 XX 07-JUN-2001; 2001US-0296812P.
 XX 15-FEB-2002; 2002US-00077383.
 XX (SAIG-) SAIGENE CORP.
 XX Haydock PV, U'ren J;
 XX WPI; 2003-148649/14.
 XX New oligonucleotide primer having phase-encoded RNA polymerase
 PT recognition sequences, spacer sequences and target complementary
 PT sequences, useful in nucleic acid amplification procedures or for copying
 PT target nucleic acids.
 XX Disclosure; Page 10; 69pp; English.
 CC The invention relates to a novel oligonucleotide primer comprises in the
 CC following order, from 5' to 3': a phase-encoded RNA polymerase
 CC recognition sequence; a spacer sequence comprising a sequence of 12-21
 CC nucleotides; and a target complementary sequence that can bind a segment
 CC of a target nucleic acid. The oligonucleotide primer is useful in
 CC amplifying a target nucleic acid. The primer is also useful for copying
 CC intermediate duplexes and target nucleic acids. This polynucleotide
 CC represents an example of a spacer sequence between an RNA polymerase
 CC recognition and target sequence of the invention
 CC

SQ Sequence 15 BP; 0 A; 5 C; 0 G; 10 T; 0 U; 0 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 15;
 Best Local Similarity 92.3%; Pred. No. 2.8e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1349 GCGAAGAAAATA 1361
 Db 15 GCGAAGAAAATA 3
 RESULT 246
 ABV76208
 ID ABV76208 standard; DNA; 15 BP.
 XX AC ABV76208;
 XX DT 28-MAR-2003 (first entry)
 XX DE Nicotinamide N-methyltransferase gene PS2 allele-specific probe.
 XX KW Human; nicotinamide N-methyltransferase; NMNT; enzyme; haplotyping;
 KW genotyping; Parkinson's disease; cachexia; antiparkinsonian;
 KW single nucleotide polymorphism; SNP; probe; ss.
 XX OS Homo sapiens.
 XX WO200290512-A2.
 XX 14-NOV-2002.
 XX 07-MAY-2002; 2002WO-US014538.
 XX 07-MAY-2001; 2001US-0289335P.
 XX (GENA-) GENAISSANCE PHARM INC.
 XX Chew A, Gilson CR, Kazemi A, Koshy B;
 XX WPI; 2003-120539/11.
 XX New isolated polynucleotide having nicotinamide N-methyltransferase
 PT (NMNT) gene, useful for treating diseases associated with NMNT activity,
 PT e.g. Parkinson's disease and cancer cachexia.
 XX Claim 31; Page 13; 57pp; English.
 CC The present sequence is a preferred allele-specific oligonucleotide (ASO)
 CC probe for detecting the PS2 polymorphic site in the human nicotinamide N-
 CC methyltransferase (NMNT) gene (see also ABV76204). The invention is based
 CC on the discovery of 3 novel polymorphic sites (PS1-PS3) in the NMNT gene.
 CC The identity of the alleles at these sites were determined in a human
 CC reference population of 79 unrelated individuals self-identified as
 CC belonging to African descent, Asian, Caucasian and Hispanic/Latino
 CC population groups. The invention provides a method, composition and kit
 CC for genotyping the NMNT gene in an individual. A genotyping kit
 CC composition comprises a probe or primer designed to specifically
 CC hybridise to a target region containing, or adjacent to, one of the NMNT
 CC polymorphic sites. A genotyping kit comprises a set of oligonucleotides
 CC designed to genotype each of the NMNT polymorphic sites. The present ASO
 CC probe, and its complement, are both claimed. The invention also provides
 CC a method for haplotyping the NMNT gene. This is useful for improving the
 CC development of drugs metabolised by NMNT or drugs for treating diseases
 CC associated with NMNT activity, e.g. Parkinson's disease and cancer
 CC cachexia (claimed). The invention is also useful for screening compounds
 CC that target NMNT, and for identifying associations between a trait and a
 CC NMNT genotype, haplotype or haplotype pair for one or more of the novel
 CC polymorphic sites
 XX Sequence 15 BP; 6 A; 1 C; 4 G; 3 T; 0 U; 1 Other;
 Query Match 8.8%; Score 11.4; DB 1; Length 15;
 Best Local Similarity 80.0%; Pred. No. 2.8e+02;

Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1435 AGACATATACATGGA 1449
|||||:|||||
DB 1 AGTCATAYAGATGGA 15

RESULT 247
AAT98967
ID AAT98967 standard; DNA; 16 BP.
XX AAT98967;
DT 23-MAR-1998 (first entry)
XX
DE Probe 184w26 for wild type HIV RT gene Q182M184.
XX
KW Reverse transcriptase gene; HIV; RT gene; antiviral drug susceptibility;
KW virus susceptibility; antiviral drug resistant viral strain; retrovirus;
KW Hepadnaviridae; HIV RT genotyping; probe; ss.
XX
OS Synthetic.
OS Human immunodeficiency virus 1.
XX
FN WO9727332-A1.
XX
PD 31-JUL-1997.
XX
PF 17-JAN-1997; 97WO-EP000211.
XX
PR 26-JAN-1996; 96EP-00870005.
PR 25-JUN-1996; 96EP-00870081.
XX
PA (INNO-) INNOGENETICS NV.
XX
XX Stuyver L, Louwagie J, Rossau R;
XX
XX WPI; 1997-393716/36.
DR
PT Determining susceptibility to antiviral drugs of reverse transcriptase
PT containing viruses - useful for genotyping HIV RT and detecting antiviral
PT resistant HIV.
XX
PS Claim 13; Page 37; 59pp; English.
XX
CC This sequence represents a probe for a wild type HIV reverse
CC transcriptase (RT) gene fragment. This sequence can be used in the method
CC of the invention for determining the susceptibility to antiviral drugs of
CC viruses which contain RT genes and are present in a biological sample. It
CC comprises: (1) releasing, isolating or concentrating the polynucleic
CC acids present in a sample; (2) amplifying the relevant part of the RT
CC genes present with at least one suitable primer pair; (3) hybridising the
CC polynucleic acids of step (1) or (2) with at least two RT gene probes,
CC the probes being applied to known locations on a solid support, and are
CC capable of simultaneously hybridising to their respective target regions
CC under appropriate hybridisation and wash condition allowing the detection
CC of homologous targets, or with the probes hybridising specifically with a
CC sequence complementary to any of the target sequences; (4) detecting the
CC hybrids formed in step (3); and (4) inferring the nucleotide sequence at
CC the codons of interest (codons 38-44, 47-53, 65-72, 73-77, 148-154, 180-
CC 187, 212-216, and 217-220), and/or the amino acids of the codons of
CC interest and/or antiviral drug resistance spectrum, and possible the type
CC of viral isolates involved from the differential hybridisation signals
CC obtained in step (4). The method is specifically used to detect antiviral
CC drug resistant strains of viruses containing RT genes, especially HIV
CC retroviruses and Hepadnaviridae. The method can also be used for
CC genotyping HIV RT
XX
SQ Sequence 16 BP; 6 A; 3 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
|||||:|||||
DB 4 ATACATGGACGAT 16

RESULT 248
ABK41364/c
ID ABK41364 standard; RNA; 16 BP.
XX
AC ABK41364;
DT 21-MAY-2002 (first entry)
XX
DE Human eIF2Bgamma ribozyme target sequence tag #10.
XX
KW Human; ss; translation initiation factor 2B gamma subunit; eIF2Bgamma;
KW ribozyme; ribozyme sequence tag; RST; TST; target sequence tag; HCV;
KW hepatitis C virus infection; virucide; hepatotropic; antiinflammatory;
KW proteasome alpha subunit; PMSA1.
XX
OS Homo sapiens.
XX WO200183754-A2.
FN
PD 08-NOV-2001.
XX
PF 02-MAY-2001; 2001WO-US014337.
XX
PR 02-MAY-2000; 2000US-00563794.
XX
PA (IMMU-) IMMUSOL INC.
XX
PI Kruger M, Welch PJ, Barber JR;
XX
XX WPI; 2002-034514/04.
DR
XX
PT Identifying cellular regulators essential in pathogenesis of infectious
PT agents, useful for treatment of infectious diseases preferably viral
PT diseases especially hepatitis C virus (HCV).
XX
PS Claim 18; Page 17; 74pp; English.
XX
CC The invention relates to a randomised ribozyme gene vector library which
CC is introduced into a population of cells expressing negative selection
CC marker gene operatively linked to viral nucleic acid acted on by cellular
CC regulator of virus replication or expression (e.g. the human translation
CC initiation factor 2B gamma subunit, eIF2Bgamma, and proteasome alpha
CC subunit 1, PMSA1, acting on Hepatitis C virus, HCV, sequences) and a
CC target recognition sequence of recovered ribozymes are sequenced to
CC identify the cellular regulator. Also included are target sequence tags, RST,
CC TST, derived from eIF2Bgamma and PMSA1, the ribozyme sequence tags, RST,
CC (specification), methods of identifying the ribozyme sequences and other
CC compounds having a positive or negative effect on viral replication via
CC interaction with the cellular regulator. The methods are useful for
CC identifying a cellular regulator of virus replication or expression, for
CC identifying a compound that modulates the activity of a viral cellular
CC regulator, identifying a ribozyme reactive with a cellular regulator of
CC virus replication or expression, and for treating an HCV infection by
CC inhibiting the activity of a cellular regulator involved in HCV
CC replication. The ribozymes and inhibitory compounds identified by the
CC above screening methods are used to reduce the severity of such an
CC infection. The methods allow rapid and efficient identification of
CC cellular genes involved in the propagation or pathogenesis of infectious
CC agents. The present sequence is a ribozyme target sequence tag of the
CC invention
XX
SQ Sequence 16 BP; 7 A; 2 C; 2 G; 0 T; 4 U; 1 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 85.7%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1407 TTGTTAATGCAC 1420
|||||
DBD 16 TTGTTAATGCAC 3

RESULT 249
ABZ34088
IID ABZ34088 standard; DNA; 16 BP.
XX
XX ABZ34088;
XX
XX DT
XX DE
XX DE
XX DE
XX HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:330.
XX Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
XX Human immunodeficiency virus 1.
OS Synthetic.
XX
XX WO200255741-A2.
PN
XX 18-JUL-2002.
XX
XX 09-JAN-2002; 2002WO-EP000153.
XX PF
XX PR 11-JAN-2001; 2001EP-00870005.
PR PR 20-APR-2001; 2001EP-00870085.
PR PR 24-APR-2001; 2001US-0286102P.
XX
XX PA
XX (INNO-) INNOGENETICS NV.
XX
XX De Smet K, Stuyver L;
PI
XX
XX WPI; 2002-590680/63.
DR
XX
XX Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
XX Claim 2; Page 24; 117pp; English.
PS
XX The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G150A/S/R, T215V/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC association, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215V/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
XX Sequence 16 BP; 6 A; 2 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 3e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


```

RESULT 251
ABZ34127
ID ABZ34127 standard; DNA; 16 BP.
XX
AC ABZ34127;
XX
DT 31-JAN-2003 (first entry)
XX
DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:369.
XX
KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
OS Synthetic.
XX
PN WO200255741-A2.
XX
PD 18-JUL-2002.
XX
PF 09-JAN-2002; 2002WO-EP000153.
XX
PR 11-JAN-2001; 2001EP-00870005.
PR 20-APR-2001; 2001EP-00870085.
PR 24-APR-2001; 2001US-0286102P.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI De Smet K, Stuyver L;
XX
DR WPI; 2002-590680/63.
XX
PT Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
PS Claim 2; Page 25; 117pp; English.
XX
CC The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 3.2e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1442 TACATGGAACATGGGT 1457
||| ||| ||| |||
Db 1 TACATGGATGATTGT 16

RESULT 252
ABZ34121
ID ABZ34121 standard; DNA; 16 BP.
XX
AC ABZ34121;
XX
DT 31-JAN-2003 (first entry)
XX
DE HIV-1 reverse transcriptase mutation detection probe SEQ ID NO:363.
XX
KW Human immunodeficiency virus; HIV; reverse transcriptase; RT; enzyme;
KW detection; mutation; anti-HIV drug resistance; polymorphism; resistance;
KW probe; ss.
XX
OS Human immunodeficiency virus 1.
OS Synthetic.
XX
PN WO200255741-A2.
XX
PD 18-JUL-2002.
XX
PF 09-JAN-2002; 2002WO-EP000153.
XX
PR 11-JAN-2001; 2001EP-00870005.
PR 20-APR-2001; 2001EP-00870085.
PR 24-APR-2001; 2001US-0286102P.
XX
PA (INNO-) INNOGENETICS NV.
XX
PI De Smet K, Stuyver L;
XX
DR WPI; 2002-590680/63.
XX
PT Detecting mutations associated with anti-HIV drug resistance comprises
PT detecting at least one of the mutations in the HIV reverse transcriptase
PT gene by using probes optimized to function together in a reverse-
PT hybridization assay.
XX
PS Claim 2; Page 25; 117pp; English.
XX
CC The present invention describes a method for detecting mutations
CC associated with anti-HIV drug resistance in a patient by detecting at
CC least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
CC G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
CC of HIV strains in a biological sample using a specific set of probes
CC optimised to function together in a reverse-hybridisation assay. The
CC method and the nucleic acid sequences used in the method are useful for
CC determining viral mutations and/or polymorphisms in the HIV RT gene
CC associated with resistance. The probes are useful for the genetic
CC detection, preferably in vitro detection of the mutations K103N/R,
CC V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
CC T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
CC mutation is associated with anti-HIV drug resistance. The method provides
CC a rapid, reliable and precise assay or determination and monitoring of
CC antiviral drug resistance or mutations associated with drug resistance of
CC viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
CC sequences and probes which are used in the exemplification of the present
CC invention
XX
SQ Sequence 16 BP; 6 A; 3 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 3.2e+02;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1436 GACATATACATGAAG 1451
||| ||| ||| |||
Db 1 GACCATATCATGATG 16

RESULT 253
AAX14909/c
ID AAX14909 standard; DNA; 11 BP.
XX
AC AAX14909;
XX

```

DT 24-MAR-1999 (first entry)
XX Triple helix third strand of 23S rRNA gene nucleotides 203-213.
DE
XX
XX Triple helix formation; DNA detection; triple helix; identification; bacteria;
KW oncogene; virus; ss.
KW
XX
XX Synthetic.
OS Chlamydomophila caviae.
XX
XX US5861244-A.
PN
XX 19-JAN-1999.
PD
XX 22-DEC-1993; 93US-00173489.
PF
XX 29-OCT-1992; 92US-00968436.
PR
XX (PROP-) PROFILE DIAGNOSTIC SCI INC.
PA
XX Hepburn AG, Wang C;
PI WPI; 1999-130384/11.
DR
XX Assay of genetic sequences based on triplex formation from double
XX stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX
XX Disclosure; Col 23-24; 168pp; English.
PS
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
SQ Sequence 11 BP; 0 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1347 AGGGGAAGAAA 1357
Db 11 AGGGGAAGAAA 1
RESULT 254
ABI60621
ID ABI60621 standard; DNA; 12 BP.
XX
XX ABI60621;
AC
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 360594 for detecting SNP TSC0052150.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS

XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 360594; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH0010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 1 C; 2 G; 3 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1354 GAAAAATATTC 1364
Db 1 GAAAAATATTC 11
RESULT 255
ABH82139
ID ABH82139 standard; DNA; 12 BP.
XX
XX ABH82139;
AC
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 282132 for detecting SNP TSC0010466.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI
XX

DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 282132; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 1 C; 2 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1401 GTAAATTTGTT 1411
DB 1 GTAAATTTGTT 11
RESULT 256
ABH68622
ID ABH68622 standard; DNA; 12 BP.
XX
XX ABH68622;
AC
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide primer SEQ ID NO 268599 for detecting SNP TSC0001245.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 268599; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1355 AAAAATATTC 1365
DB 2 AAAAATATTC 12
RESULT 257
ABH83672
ID ABH83672 standard; DNA; 12 BP.
XX
XX ABH83672;
AC
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide primer SEQ ID NO 283665 for detecting SNP TSC0011450.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 283665; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


```
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
SQ Sequence 12 BP; 4 A; 3 C; 1 G; 4 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGT 1410
Db 11 GGTAAATTTGT 1

RESULT 263
ABI78223/c
ID ABI78223 standard; DNA; 12 BP.
XX
AC ABI78223;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 378196 for detecting SNP TSC0062669.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 378196; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ASC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
Db 12 GTTAATGATGA 2

RESULT 264
ABI78223/c
ID ABI78223 standard; DNA; 12 BP.
XX
AC ABI78223;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 378196 for detecting SNP TSC0062669.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 378196; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ASC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGT 1410
Db 11 GGTAAATTTGT 1

RESULT 265
ABH76346
ID ABH76346 standard; DNA; 12 BP.
XX
AC ABH76346;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 276339 for detecting SNP TSC0004157.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 276339; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1402 TAAATTTGTTA 1412
DB 2 TAAATTTGTTA 12
|||||
RESULT 266
ABH82398/c
ID ABH82398 standard; DNA; 12 BP.
XX
XX ABH82398;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 282391 for detecting SNP TSC0010713.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 282391; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1402 TAAATTTGTTA 1412
DB 2 TAAATTTGTTA 12
|||||
RESULT 266
ABH82398/c
ID ABH82398 standard; DNA; 12 BP.
XX
XX ABH82398;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 282391 for detecting SNP TSC0010713.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 282391; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1409 GTTAATGATGA 1419
DB 12 GTTAATGATGA 2
|||||
RESULT 267
ABI64510/c
ID ABI64510 standard; DNA; 12 BP.
XX
XX ABI64510;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 364483 for detecting SNP TSC0054493.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 364483; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 282391; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1409 GTTAATGATGA 1419
DB 12 GTTAATGATGA 2
|||||
RESULT 267
ABI64510/c
ID ABI64510 standard; DNA; 12 BP.
XX
XX ABI64510;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 364483 for detecting SNP TSC0054493.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 364483; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1410
 Db 11 GGTAATAATTGT 1

RESULT 268
 ABI34761/C
 ID ABI34761 standard; DNA; 12 BP.
 XX
 AC ABI34761;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 334734 for detecting SNP TSC0038375.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 334734; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362
 Db 12 AAGAAAAATAT 2

RESULT 270
 ABI57934/C
 ID ABI57934 standard; DNA; 12 BP.
 XX
 AC ABI57934;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 381382 for detecting SNP TSC0064322.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 381382; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362
 Db 12 AAGAAAAATAT 2

RESULT 270
 ABI57934/C
 ID ABI57934 standard; DNA; 12 BP.
 XX

AC AB157934;
 XX
 DT 22-FEB-2002 (first entry)
 DE
 XX Oligonucleotide primer SEQ ID NO 357907 for detecting SNP TSC0004855.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 357907; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
 XX
 CC Query Match 8.5%; Score 11; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 CC Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1407 TTGTTAATGAT 1417
 DB 12 TTGTTAATGAT 2
 RESULT 271
 AB115258/C
 ID AB115258 standard; DNA; 12 BP.
 XX
 AC AB115258;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 315231 for detecting SNP TSC0026789.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN

XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 315231; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
 XX
 CC Query Match 8.5%; Score 11; DB 1; Length 12;
 CC Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 CC Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1355 AAAAATATTC 1365
 DB 11 AAAAATATTC 1
 RESULT 272
 AB153454/C
 ID AB153454 standard; DNA; 12 BP.
 XX
 AC AB153454;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide primer SEQ ID NO 353427 for detecting SNP TSC0048513.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 353427; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1355 AAAAAATATTC 1365
 DB 11 AAAAAATATTC 1
 RESULT 273
 ABH88491/C
 ID ABH88491 standard; DNA; 12 BP.
 XX
 AC ABH88491;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 288484 for detecting SNP TSC0013537.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 288484; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1352 AAGAAAATAT 1362
 DB 12 AAGAAAATAT 2
 RESULT 274
 ABI45142
 ID ABI45142 standard; DNA; 12 BP.
 XX
 AC ABI45142;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 345115 for detecting SNP TSC0043880.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 345115; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 12;
 Best Local Similarity 100.0%; Pred. No. 2.4e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1352 AAGAAAATAT 1362

```

Db      1 AAGAAAAATAT 11
|||||
RESULT 275
ABI47820
ID      ABI47820 standard; DNA; 12 BP.
XX      AC
XX      ABI47820;
XX
XX      22-FEB-2002 (first entry)
DT
XX
DE      Oligonucleotide primer SEQ ID NO 347793 for detecting SNP TSC0045258.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
OS
XX      WO200177384-A2.
PN
XX      18-OCT-2001.
PD
XX
XX      06-APR-2001; 2001WO-IB000713.
PF
XX      07-APR-2000; 2000DE-01019173.
PR
XX      (EPIG-) EPIGENOMICS AG.
PA
XX      Olek A, Piepenbrock C, Berlin K;
PI
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 26414; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
SQ
XX
XX      Query Match      8.5%; Score 11; DB 1; Length 12;
XX      Best Local Similarity 100.0%; Pred. No. 2.4e+02;
XX      Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX      QY      1402 TAAATTGTGA 1412
XX      1 TAAATTGTGA 11
XX
XX      RESULT 276
XX      ABC26397
XX      ID      ABC26397 standard; DNA; 13 BP.
XX
XX      AC      ABC26397;
XX
XX      20-FEB-2002 (first entry)
DT
XX
XX      Oligonucleotide SEQ ID NO 26414 for detecting SNP TSC0006957.
DE

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```

XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
OS
XX      WO200177384-A2.
PN
XX      18-OCT-2001.
PD
XX
XX      06-APR-2001; 2001WO-IB000713.
PF
XX      07-APR-2000; 2000DE-01019173.
PR
XX      (EPIG-) EPIGENOMICS AG.
PA
XX      Olek A, Piepenbrock C, Berlin K;
PI
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 26414; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
SQ
XX
XX      Query Match      8.5%; Score 11; DB 1; Length 13;
XX      Best Local Similarity 84.6%; Pred. No. 2.7e+02;
XX      Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX
XX      QY      1352 AAGAAATATTC 1364
XX      1 AAGAAATATTC 13
XX
XX      RESULT 277
XX      ABC16449
XX      ID      ABC16449 standard; DNA; 13 BP.
XX
XX      AC      ABC16449;
XX
XX      20-FEB-2002 (first entry)
DT
XX
XX      Oligonucleotide SEQ ID NO 16456 for detecting SNP TSC0003586.
DE
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
OS
XX      WO200177384-A2.
PN
XX      18-OCT-2001.
PD
XX
XX      06-APR-2001; 2001WO-IB000713.
PF
XX

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RESULT 281

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1354 GAAATAATTCCTCA 1366
 DB 13 AAAAACATTCCTCA 1
 RESULT 285
 ABH59861/C
 ID ABH59861 standard; DNA; 13 BP.
 AC
 XX ABH59861;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide SEQ ID NO 259838 for detecting SNP TSC0063098.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 FN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 FF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 259838; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1451 GATGGGTGAT 1461
 DB 12 GATGGGTGAT 2
 RESULT 286
 ABC00087/C
 ID ABC00087 standard; DNA; 13 BP.
 AC
 XX ABC00087;
 XX
 XX 20-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide SEQ ID NO 78 for detecting SNP TSC00000021.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 FN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 FF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 78; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1403 AAAATTGTAA 1413
 DB 13 AAAATTGTAA 3
 RESULT 287
 ABC30738/C
 ID ABC30738 standard; DNA; 13 BP.
 AC
 XX ABC30738;
 XX

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1451 GATGGGTGAT 1461
 DB 12 GATGGGTGAT 2
 RESULT 286
 ABC00087/C
 ID ABC00087 standard; DNA; 13 BP.
 AC
 XX ABC00087;
 XX
 XX 20-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide SEQ ID NO 78 for detecting SNP TSC00000021.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 FN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 FF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 78; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1403 AAAATTGTAA 1413
 DB 13 AAAATTGTAA 3
 RESULT 287
 ABC30738/C
 ID ABC30738 standard; DNA; 13 BP.
 AC
 XX ABC30738;
 XX


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PT methylation status.
XX Claim 1; SEQ ID NO 121397; 29pp + Sequence Listing; German.
PS
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1398 GAGGTAAATTT 1408
Db 2 GAGGTAAATTT 12
|||||
RESULT 290
ABF38230
ID ABF38230 standard; DNA; 13 BP.
XX
AC ABF38230;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 138227 for detecting SNP TSC0034595.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 138227; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1398 GAGGTAAATTT 1408
Db 2 GAGGTAAATTT 12
|||||
RESULT 291
ABF71681
ID ABF71681 standard; DNA; 13 BP.
XX
AC ABF71681;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171678 for detecting SNP TSC0042792.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 171678; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 6 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1363 TCCACGCATCA 1373
Db 2 TCCACGCATCA 12
|||||

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RESULT 292
ABH22014
ID ABH22014 standard; DNA; 13 BP.
XX
XX
AC ABH22014;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 221991 for detecting SNP TSC0054021.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
DE 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 221991 for detecting SNP TSC0054021.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
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XX
PF 06-APR-2001; 2001WO-IB000713.
XX
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PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
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XX
WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 221991; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 1 Other;
XX
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1446 TGGAGATGGGTT 1458
Db 1 TGGAGAGAGGTY 13
XX
RESULT 293
ABF74985/C
ID ABF74985 standard; DNA; 13 BP.
XX
XX
AC ABF74985;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 174982 for detecting SNP TSC0043499.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
DE 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 174982; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;
XX
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1450 AGATGGGTTGATC 1462
Db 13 AGATGGGTTTATY 1
XX
RESULT 294
ABH48500
ID ABH48500 standard; DNA; 13 BP.
XX
XX
AC ABH48500;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 248477 for detecting SNP TSC0060726.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX

```

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 248477; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 1 Other;
 XX Query Match 8.5%; Score 11; DB 1; Length 13;
 XX Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 XX Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAGAGAAAT 1360
 DB 1 GGGGAGAGAAAY 13
 RESULT 295
 ABF39299
 ID ABF39299 standard; DNA; 13 BP.
 XX ABF39299;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 139296 for detecting SNP TSC0034884.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 139296; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 1 Other;
 XX Query Match 8.5%; Score 11; DB 1; Length 13;
 XX Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 XX Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAGAGAAAT 1360
 DB 1 GGGGAGAGAAAY 13
 RESULT 295
 ABF39299
 ID ABF39299 standard; DNA; 13 BP.
 XX ABF39299;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 139296 for detecting SNP TSC0034884.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 139296; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 1 Other;
 XX Query Match 8.5%; Score 11; DB 1; Length 13;
 XX Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 XX Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1356 AAAATATTCCA 1366
 DB 1 AAAATATTCCA 11
 RESULT 296
 ABH17529
 ID ABH17529 standard; DNA; 13 BP.
 XX ABH17529;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 217506 for detecting SNP TSC0052893.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 217506; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;

```

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAATAATTCCA 1366
   :|||||||
Db 1 RAAATAATTACA 13

RESULT 297
ABF71680/c
ID ABF71680 standard; DNA; 13 BP.
XX AC ABF71680;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 171677 for detecting SNP TSC0042792.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 171677; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 1 C; 6 G; 3 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 1 C; 6 G; 3 T; 0 U; 0 Other;
XX Query Match      8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1363 TCCACGCATCA 1373
   :|||||||
Db 12 TCCACGCATCA 2

RESULT 298
ABH59860
ID ABH59860 standard; DNA; 13 BP.

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XX ABH59860;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 259837 for detecting SNP TSC0063098.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 259837; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;
XX Query Match      8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1451 GATCGGTGAT 1461
   :|||||||
Db 2 GATCGGTGAT 12

RESULT 299
ABC11447/c
ID ABC11447 standard; DNA; 13 BP.
XX AC ABC11447;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 11446 for detecting SNP TSC0002795.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX

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PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PR (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 11446; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1402 TAAATTTGTTA 1412
 DB 11 TAAATTTGTTA 1
 RESULT 300
 ABH17528/c
 ID ABH17528 standard; DNA; 13 BP.
 XX
 AC ABH17528;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 217505 for detecting SNP TSC0052893.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PR (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1402 TAAATTTGTTA 1412
 DB 11 TAAATTTGTTA 1
 RESULT 300
 ABH17528/c
 ID ABH17528 standard; DNA; 13 BP.
 XX
 AC ABH17528;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 217505 for detecting SNP TSC0052893.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PR (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1354 GAAAAATTTTCCA 1366
 DB 13 RAAAAATTTTACA 1
 RESULT 301
 ABH12496/c
 ID ABH12496 standard; DNA; 13 BP.
 XX
 AC ABH12496;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 212473 for detecting SNP TSC0051746.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PR (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 212473; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1354 GAAAAATTTTCCA 1366
 DB 13 RAAAAATTTTACA 1

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 217505; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1354 GAAAAATTTTCCA 1366
 DB 13 RAAAAATTTTACA 1
 RESULT 301
 ABH12496/c
 ID ABH12496 standard; DNA; 13 BP.
 XX
 AC ABH12496;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 212473 for detecting SNP TSC0051746.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PR (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 212473; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1354 GAAAAATTTTCCA 1366
 DB 13 RAAAAATTTTACA 1

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
 SQ Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCAC 1367
 DB 12 AAATATTCCAC 2
 |||||
 |||||

RESULT 302
 ABH16302
 ID ABH16302 standard; DNA; 13 BP.
 XX AC ABH16302;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 216279 for detecting SNP TSC0052604.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 216279; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
 SQ Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAA 1413
 DB 1 AAAATTGTTAA 11
 |||||
 |||||

RESULT 303
 ABC53366/c
 ID ABC53366 standard; DNA; 13 BP.
 XX AC ABC53366;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 53383 for detecting SNP TSC0014737.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 53383; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 1 A; 1 C; 6 G; 4 T; 0 U; 1 Other;
 SQ Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
 DB 11 CCACGCATCAC 1
 |||||
 |||||

RESULT 304
 ABC11446
 ID ABC11446 standard; DNA; 13 BP.
 XX AC ABC11446;
 XX
 XX 20-FEB-2002 (first entry)
 XX


```
PS Claim 1; SEQ ID NO 217297; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1355 AAAAATATTC 1365
Db 11 AAAAATATTC 1
RESULT 307
ABF34330
ID ABF34330 standard; DNA; 13 BP.
XX
AC ABF34330;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 134327 for detecting SNP TSC0033481.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 134327; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1355 AAAAATATTC 1365
Db 11 AAAAATATTC 1
RESULT 307
ABF34330
ID ABF34330 standard; DNA; 13 BP.
XX
AC ABF34330;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 134327 for detecting SNP TSC0033481.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 134327; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1355 AAAAATATTC 1365
Db 11 AAAAATATTC 1
RESULT 307
ABH22015/C
ID ABH22015 standard; DNA; 13 BP.
XX
AC ABH22015;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 221992 for detecting SNP TSC0054021.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 221992; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1446 TCGAAGATGGGTT 1458
Db 13 TCGAAGAGGGTY 1
ftp.wipo.int/pub/published_pct_sequences
```



```
RESULT 309
ABF59621
ID ABF59621 standard; DNA; 13 BP.
XX
XX AC ABF59621;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 159618 for detecting SNP TSC0040184.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 137533; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 84.6%; Pred. NO. 2.7e+02;
XX Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1354 GAAAAATATCCCA 1366
XX :|||||
XX 1 RAAAAACATCCCA 13
XX
XX RESULT 310
ABF37536
ID ABF37536 standard; DNA; 13 BP.
XX
XX AC ABF37536;
XX
XX XX 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 137533 for detecting SNP TSC0034382.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 159618; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX
XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 84.6%; Pred. NO. 2.7e+02;
XX Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1354 GAAAAATATCCCA 1366
XX :|||||
XX 1 RAAAAACATCCCA 13
XX
XX RESULT 311
ABF74984
ID ABF74984 standard; DNA; 13 BP.
XX
XX AC ABF74984;
XX
XX XX 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 174981 for detecting SNP TSC0043499.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX OS Homo sapiens.
XX
```

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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 174981; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 1450 AGATGGGTTGATC 1462
Db 1 AGATGGGTTTATY 13
RESULT 312
ABF51885/c
ID ABF51885 standard; DNA; 13 BP.
XX
XX ABF51885;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 151882 for detecting SNP TSC0038376.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 151882; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 1450 AGATGGGTTGATC 1462
Db 1 AGATGGGTTTATY 13
RESULT 312
ABF51885/c
ID ABF51885 standard; DNA; 13 BP.
XX
XX ABF51885;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 151882 for detecting SNP TSC0038376.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 151882; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1404 AAATTGTTAAT 1414
Db 12 AAATTGTTAAT 2
RESULT 313
ABH12210
ID ABH12210 standard; DNA; 13 BP.
XX
XX ABH12210;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 212187 for detecting SNP TSC0009958.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 212187; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;

```

Best Local Similarity 84.6%; Pred. No. 2.7e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 11; Conservative 1;

Qy 1408 TGTAAATGATGAC 1420

Db 1 TTTTAAATGATGAY 13

RESULT 314

ABC96932/C

ID ABC96932 standard; DNA; 13 BP.

XX AC ABC96932;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 96949 for detecting SNP TSC0024053.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

XX PT designed to detect single-nucleotide polymorphisms and cytosine

XX PT methylation status.

XX PS Claim 1; SEQ ID NO 96949; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic

XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

XX CC range of diseases including immune system, gastrointestinal, respiratory,

XX CC central nervous system, cardiovascular and metabolic disorders. The

XX CC oligomers are also used for detecting cell type differentiation. ABC00010

XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

XX CC represent the oligomers described in the invention. NOTE: The sequence

XX CC data for this patent did not form part of the printed specification, but

XX CC was obtained in electronic format from WIPO at

XX CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 0 G; 9 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 2.7e+02;

Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAGGAAAAATATT 1363

Db 13 RAAAAAAATATT 1

RESULT 315

ABC00086

ID ABC00086 standard; DNA; 13 BP.

XX AC ABC00086;

XX DT

XX DE

XX KW

XX KW

XX KW

XX KW

XX OS

XX OS

XX PN

XX PN

XX PD

XX PF

XX PF

XX PR

XX PA

XX PA

XX PI

XX PI

XX DR

XX DR

XX PT

XX PT

XX PT

XX PS

XX PS

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX CC

XX SQ

Query Match

Best Local Similarity

Matches

Qy

Db

RESULT 316

ABF45427

ID ABF45427 standard; DNA; 13 BP.

XX AC ABF45427;

XX AC ABF45427;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 145424 for detecting SNP TSC0036609.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PN

PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPITG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
XX	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
PT	
PS	Claim 1; SEQ ID NO 145424; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX	
Query Match	8.5%; Score 11; DB 1; Length 13;
Best Local Similarity	100.0%; Pred. No. 2.7e+02;
Matches	11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY	1356 AAAATATTCCA 1366
DB	2 AAAATATTCCA 12
XX	
RESULT 317	
ABF50149/c	
ID	ABF50149 standard; DNA; 13 BP.
XX	
AC	ABF50149;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 150146 for detecting SNP TSC0037898.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
PT	
PS	Claim 1; SEQ ID NO 150146; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX	
Query Match	8.5%; Score 11; DB 1; Length 13;
Best Local Similarity	100.0%; Pred. No. 2.7e+02;
Matches	11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY	1356 AAAATATTCCA 1366
DB	2 AAAATATTCCA 12
XX	
RESULT 317	
ABF50149/c	
ID	ABF50149 standard; DNA; 13 BP.
XX	
AC	ABF50149;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 150146 for detecting SNP TSC0037898.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
PT	
PS	Claim 1; SEQ ID NO 150146; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX	
Query Match	8.5%; Score 11; DB 1; Length 13;
Best Local Similarity	100.0%; Pred. No. 2.7e+02;
Matches	11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY	1356 AAAATATTCCA 1366
DB	2 AAAATATTCCA 12
XX	
RESULT 317	
ABF	

CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1408 TGTAAATGATGAC 1420
 13 TTTAAATGATGAY 1

Db
 RESULT 319
 ABC27529
 ID ABC27529 standard; DNA; 13 BP.
 XX AC ABC27529;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 27546 for detecting SNP TSC0007666.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 27546; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1365
 |||||

Db 2 AAAAATATTC 12

RESULT 320
 ABC30739
 ID ABC30739 standard; DNA; 13 BP.
 XX AC ABC30739;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 30756 for detecting SNP TSC0009454.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 30756; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1356 AAAAATATTC 1366
 |||||

Db 1 AAAAATATTC 11

RESULT 321
 ABF19739/C
 ID ABF19739 standard; DNA; 13 BP.
 XX AC ABF19739;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 119736 for detecting SNP TSC0029876.
 XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 FN WO200177384-A2.
 XX
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 119736; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 2 C; 0 G; 7 T; 0 U; 1 Other;
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1351 GAAGAAATATT 1363
 DB 13 GAAGAAATATT 1
 RESULT 322
 ABF34331/c
 ID ABF34331 standard; DNA; 13 BP.
 AC ABF34331;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 134328 for detecting SNP TSC0033481.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 FN WO200177384-A2.
 XX
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX

XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 134328; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 1 Other;
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1402 TAAATTTCTTAAT 1414
 DB 13 TAAATTTCTTAAT 1
 RESULT 323
 ABF71858
 ID ABF71858 standard; DNA; 13 BP.
 XX
 AC ABF71858;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 171855 for detecting SNP TSC0042837.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 FN WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 171855; 29pp + Sequence Listing; German.
 XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTA 1412

DB 2 TAAATTTGTTA 12

RESULT 324

ABF78654/c
 ID ABF78654 standard; DNA; 13 BP.

XX AC ABF78654;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 178651 for detecting SNP TSC0044255.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 178651; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX

SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTTCCAC 1367

DB 13 AAATATTTCCAC 3

RESULT 325

ABC82263/c
 ID ABC82263 standard; DNA; 13 BP.

XX AC ABC82263;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 82280 for detecting SNP TSC0020783.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 82280; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419

DB 13 GTTAATGATGA 3

RESULT 326

ABF34022/c

```

ID  ABF34022 standard; DNA; 13 BP.
XX  AC
XX  ABF34022;
XX  DT
XX  21-FEB-2002 (first entry)
XX  DE
XX  Oligonucleotide SEQ ID NO 134019 for detecting SNP TSC0033419.
XX  KW
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  OS
XX  Homo sapiens.
XX  PN
XX  WO200177384-A2.
XX  PD
XX  18-OCT-2001.
XX  PF
XX  06-APR-2001; 2001WO-IB000713.
XX  PR
XX  07-APR-2000; 2000DE-01019173.
XX  PA
XX  (EPIG-) EPIGENOMICS AG.
XX  PI
XX  Olek A, Piepenbrock C, Berlin K;
XX  WIPI; 2001-657177/75.
XX  DR
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
XX  designed to detect single-nucleotide polymorphisms and cytosine
XX  methylation status.
XX  PS
XX  Claim 1; SEQ ID NO 134019; 29pp + Sequence Listing; German.
XX  CC
XX  This invention describes novel oligonucleotide primers or peptide nucleic
XX  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX  and cytosine methylation status in chemically pretreated genomic DNA. The
XX  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX  range of diseases including immune system, gastrointestinal, respiratory,
XX  central nervous system, cardiovascular and metabolic disorders. The
XX  oligomers are also used for detecting cell type differentiation. ABC00010
XX  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX  represent the oligomers described in the invention. NOTE: The sequence
XX  data for this patent did not form part of the printed specification, but
XX  was obtained in electronic format from WIPO at
XX  ftp.wipo.int/pub/published_pct_sequences
XX  SQ
XX  Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  1356 AAAATATTCCA 1366
Db  11 AAAATATTCCA 1
|||||
|||||

RESULT 327
ABF44842/c
ID  ABF44842 standard; DNA; 13 BP.
XX  AC
XX  ABF44842;
XX  DT
XX  21-FEB-2002 (first entry)
XX  DE
XX  Oligonucleotide SEQ ID NO 144839 for detecting SNP TSC0036426.
XX  KW
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  OS
XX  Homo sapiens.

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  1354 GAAAAATTCCA 1366
Db  13 RAAAAATTCCA 1
|||||
|||||

RESULT 328
ABH20328
ID  ABH20328 standard; DNA; 13 BP.
XX  AC
XX  ABH20328;
XX  DT
XX  22-FEB-2002 (first entry)
XX  DE
XX  Oligonucleotide SEQ ID NO 220305 for detecting SNP TSC0008997.
XX  KW
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  OS
XX  Homo sapiens.
XX  PN
XX  WO200177384-A2.
XX  PD
XX  18-OCT-2001.
XX  PF
XX  06-APR-2001; 2001WO-IB000713.
XX  PR
XX  07-APR-2000; 2000DE-01019173.
XX  PA
XX  (EPIG-) EPIGENOMICS AG.
XX  PI
XX  Olek A, Piepenbrock C, Berlin K;
XX  WIPI; 2001-657177/75.
XX  DR
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
XX  designed to detect single-nucleotide polymorphisms and cytosine
XX  methylation status.
XX  PS
XX  Claim 1; SEQ ID NO 144839; 29pp + Sequence Listing; German.
XX  CC
XX  This invention describes novel oligonucleotide primers or peptide nucleic
XX  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX  and cytosine methylation status in chemically pretreated genomic DNA. The
XX  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX  range of diseases including immune system, gastrointestinal, respiratory,
XX  central nervous system, cardiovascular and metabolic disorders. The
XX  oligomers are also used for detecting cell type differentiation. ABC00010
XX  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX  represent the oligomers described in the invention. NOTE: The sequence
XX  data for this patent did not form part of the printed specification, but
XX  was obtained in electronic format from WIPO at
XX  ftp.wipo.int/pub/published_pct_sequences
XX  SQ
XX  Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY  1354 GAAAAATTCCA 1366
Db  13 RAAAAATTCCA 1
|||||
|||||

RESULT 328
ABH20328
ID  ABH20328 standard; DNA; 13 BP.
XX  AC
XX  ABH20328;
XX  DT
XX  22-FEB-2002 (first entry)
XX  DE
XX  Oligonucleotide SEQ ID NO 220305 for detecting SNP TSC0008997.
XX  KW
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  OS
XX  Homo sapiens.
XX  PN
XX  WO200177384-A2.
XX  PD
XX  18-OCT-2001.
XX  PF
XX  06-APR-2001; 2001WO-IB000713.
XX  PR
XX  07-APR-2000; 2000DE-01019173.
XX  PA
XX  (EPIG-) EPIGENOMICS AG.
XX  PI
XX  Olek A, Piepenbrock C, Berlin K;
XX  WIPI; 2001-657177/75.
XX  DR
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
XX  designed to detect single-nucleotide polymorphisms and cytosine
XX  methylation status.
XX  PS
XX  Claim 1; SEQ ID NO 144839; 29pp + Sequence Listing; German.
XX  CC
XX  This invention describes novel oligonucleotide primers or peptide nucleic
XX  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX  and cytosine methylation status in chemically pretreated genomic DNA. The
XX  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX  range of diseases including immune system, gastrointestinal, respiratory,
XX  central nervous system, cardiovascular and metabolic disorders. The
XX  oligomers are also used for detecting cell type differentiation. ABC00010
XX  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX  represent the oligomers described in the invention. NOTE: The sequence
XX  data for this patent did not form part of the printed specification, but
XX  was obtained in electronic format from WIPO at
XX  ftp.wipo.int/pub/published_pct_sequences
XX  SQ
XX  Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
```


DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 220305; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1446 TCGAAGATGGTT 1458
Db 1 TCGAAGATGGTY 13
RESULT 329
ID ABF50148 standard; DNA; 13 BP.
XX
AC ABF50148;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 150145 for detecting SNP TSC0037898.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PS WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150145; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1352 AAGAAAATATTC 1364
Db 1 AAAAAAATATTY 13
RESULT 330
ID ABH01235 standard; DNA; 13 BP.
XX
AC ABH01235;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 201212 for detecting SNP TSC0049504.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PS WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 201212; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
XX DE 1356 AAAAATATTCCTCA 1366
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX WO200177384-A2.
XX XX 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX XX 07-APR-2000; 2000DE-01019173.
XX XX (EPITG-) EPIGENOMICS AG.
XX XX Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX Claim 1; SEQ ID NO 144840; 29pp + Sequence Listing; German.
XX XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;
XX SQ Query Match 8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 84.6%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX QY 1354 GAAAAATATTCCTCA 1366
XX Db :|||||
XX 1 RAAAAATATTCCTCA 13
XX RESULT 333
XX ABH20329/c
XX ID ABH20329 standard; DNA; 13 BP.
XX AC ABH20329;
XX XX 22-FEB-2002 (first entry)
XX DT 22-FEB-2002 (first entry)
XX XX Oligonucleotide SEQ ID NO 220306 for detecting SNP TSC0008997.
XX XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX Homo sapiens.
XX OS Homo sapiens.
XX XX WO200177384-A2.
XX XX 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX XX 07-APR-2000; 2000DE-01019173.
XX XX (EPITG-) EPIGENOMICS AG.
XX XX Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX Claim 1; SEQ ID NO 236360; 29pp + Sequence Listing; German.
XX XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;
XX SQ Query Match 8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 84.6%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
XX QY 1354 GAAAAATATTCCTCA 1366
XX Db :|||||
XX 1 RAAAAATATTCCTCA 13
XX RESULT 332
XX ABF44843
XX ID ABF44843 standard; DNA; 13 BP.
XX XX ABF44843;
XX AC ABF44843;
XX XX 21-FEB-2002 (first entry)
XX DT 21-FEB-2002 (first entry)
```

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PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 220306; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1352 AAGAAAAATAT 1362
Db 3 AAGAAAAATAT 13
|||||
RESULT 335
ABF84489/c
ID ABF84488 standard; DNA; 13 BP.
XX
AC ABF84489;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 184486 for detecting SNP TSC0045528.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 184486; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.8%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1446 TGGAGATGGGTT 1458
Db 13 TGGAGATGGGTY 1
|||||
RESULT 334
ABF84488
ID ABF84488 standard; DNA; 13 BP.
XX
AC ABF84488;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 184485 for detecting SNP TSC0045528.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
```



```
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 201211; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: the sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1356 AAAATATTCCA 1366
DB 11 AAAATATTCCA 1
XX
RESULT 339
ABF56091/C
ID ABF56091 standard; DNA; 13 BP.
XX
XX AC ABF56091;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 156088 for detecting SNP TSC0039379.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 201211; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: the sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1356 AAAATATTCCA 1366
DB 11 AAAATATTCCA 1
XX
RESULT 339
ABF56091/C
ID ABF56091 standard; DNA; 13 BP.
XX
XX AC ABF56091;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 156088 for detecting SNP TSC0039379.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 201211; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: the sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 8.5%; Score 11; DB 1; Length 13;
XX Best Local Similarity 100.0%; Pred. No. 2.7e+02;
XX Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1407 TTGTTAATGAT 1417
DB 12 TTGTTAATGAT 2
XX
RESULT 340
ABH34289/C
ID ABH34289 standard; DNA; 13 BP.
XX
XX AC ABH34289;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 234266 for detecting SNP TSC0004687.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 234266; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
```

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAATA 1406
Db 11 AGGAGGTAATA 1

RESULT 341
ABF59747/C
ID ABF59747 standard; DNA; 13 BP.
XX
AC ABF59747;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159744 for detecting SNP TSC0040212.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (BPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 159744; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAATA 1406
Db 11 AGGAGGTAATA 1

RESULT 341
ABF59747/C
ID ABF59747 standard; DNA; 13 BP.
XX
AC ABF59747;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159744 for detecting SNP TSC0040212.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (BPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 159744; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTT 1408
Db 12 GAGGTAAATTT 2

RESULT 342
ABH36382/C
ID ABH36382 standard; DNA; 13 BP.
XX
AC ABH36382;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 236359 for detecting SNP TSC0057697.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (BPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 236359; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCT 1366
Db 13 RAAAAATATTCCT 1

RESULT 343
ABC96933
ID ABC96933 standard; DNA; 13 BP.
XX

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AC ABC96933;
XX
DT 21-FEB-2002 (first entry)
XX
DE DE Oligonucleotide SEQ ID NO 96950 for detecting SNP TSC0024053.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 96950; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. NO. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATATT 1363
DB 1 RAAAAAAATATT 13

RESULT 344
ABC26396/C
ID ABC26396 standard; DNA; 13 BP.
XX
AC ABC26396;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 26413 for detecting SNP TSC0006957.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PS Claim 1; SEQ ID NO 26413; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
XX
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. NO. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATTTC 1364
DB 13 RAAAAAAATATTTC 13

RESULT 345
ABC53367
ID ABC53367 standard; DNA; 13 BP.
XX
AC ABC53367;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 53384 for detecting SNP TSC0014737.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX

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PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 53384; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 6 C; 1 G; 1 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1364 CCACGCATCAC 1374
Db 3 CCACGCATCAC 13
RESULT 346
ABC85187/c
ID ABC85187 standard; DNA; 13 BP.
XX
XX ABC85187;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 85204 for detecting SNP TSC0021429.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 85204; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1406 ATTGTTAATGA 1416
Db 11 ATTGTTAATGA 1
RESULT 347
ABC13333
ID ABC13333 standard; DNA; 13 BP.
XX
XX ABC13333;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 13340 for detecting SNP TSC0003085.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 13340; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1401 GTAAATTTGTTAA 1413

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PR 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 213254; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1433 GCAGACATATACA 1445
Db 1 RCMAACATATACA 13
RESULT 351
ABF74153
ID ABF74153 standard; DNA; 13 BP.
XX
AC ABF74153;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 174150 for detecting SNP TSC0043329.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 174150; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1354 GAAAAATATTCCA 1366
Db 1 RAAAAATATTCCA 13
RESULT 352
ABF59746
ID ABF59746 standard; DNA; 13 BP.
XX
AC ABF59746;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 159743 for detecting SNP TSC0040212.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 159743; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

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OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 219253; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 1433 GCAGACATATACA 1445
Db :|||||
13 RCAAACATATACA 1
RESULT 356
ABF74152/c
ID ABF74152 standard; DNA; 13 BP.
XX ABF74152;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 174149 for detecting SNP TSC0043329.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 212474; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 1433 GCAGACATATACA 1445
Db :|||||
13 RCAAACATATACA 1
RESULT 356
ABF74152/c
ID ABF74152 standard; DNA; 13 BP.
XX ABF74152;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 174149 for detecting SNP TSC0043329.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 212474; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 1354 GAAAAATATCCA 1366
Db :|||||
13 RAAAAATATCCA 1
RESULT 357
ABH12497
ID ABH12497 standard; DNA; 13 BP.
XX ABH12497;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 212474 for detecting SNP TSC0051746.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 212474; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
SQ
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 1354 GAAAAATATCCA 1366
Db :|||||
13 RAAAAATATCCA 1

```

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAAATATTCAC 1367

DB 2 AAAATATTCAC 12

RESULT 358

ABH16303/C

ID ABH16303 standard; DNA; 13 BP.

AC ABH16303;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 216280 for detecting SNP TSC0052604.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 216280; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAAATATTCAC 1365

DB 12 AAAATATTCAC 2

RESULT 360

ABC85186

ID ABC85186 standard; DNA; 13 BP.

AC ABC85186;

XX

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTAA 1413

DB 13 AAAATTGTAA 3

RESULT 359

ABC27528/C

ID ABC27528 standard; DNA; 13 BP.

AC ABC27528;

DT 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 27545 for detecting SNP TSC0007666.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 27545; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAATATTCAC 1365

DB 12 AAAATATTCAC 2

RESULT 360

ABC85186

ID ABC85186 standard; DNA; 13 BP.

AC ABC85186;

XX

PT methylation status.
XX Claim 1; SEQ ID NO 64315; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
SQ Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 2 AGAAAAATATT 12

RESULT 363
ABH17321
ID ABH17321 standard; DNA; 13 BP.
XX AC ABH17321;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 217298 for detecting SNP TSC0052826.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 217298; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

CC data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
SQ Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
Db 3 AAAAATATTC 13

RESULT 364
ABF34023
ID ABF34023 standard; DNA; 13 BP.
XX AC ABF34023;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 134020 for detecting SNP TSC0033419.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX Claim 1; SEQ ID NO 134020; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
SQ Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAAATATTC 1366
Db 3 AAAAATATTC 13

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 156087; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. The
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
 SQ Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417
 Db 2 TTGTTAATGAT 12
 |||||

RESULT 368
 ABH08766/C
 ID ABH08766 standard; DNA; 13 BP.
 AC ABH08766;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 208743 for detecting SNP TSC0050985.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 FN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 208743; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. The
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
 SQ Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCAC 1367
 Db 13 AAATATTCAC 3
 |||||

RESULT 369
 ABH08767
 ID ABH08767 standard; DNA; 13 BP.
 AC ABH08767;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 208744 for detecting SNP TSC0050985.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 FN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 208744; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. The
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

```

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCAC 1367
Db 1 AAATATTCCAC 11

RESULT 370
ABF59618/c
ID ABF59618 standard; DNA; 13 BP.
XX AC ABF59618;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 159615 for detecting SNP TSC0040184.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX FI WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 159615; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1348 GGGGAAGAAAAT 1360
Db 13 GAGGAAGAAAAT 1

RESULT 372
ABC39523/c
ID ABC39523 standard; DNA; 13 BP.
XX AC ABC39523;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 39540 for detecting SNP TSC0012088.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX
```

PN WO200177384-A2.
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 39540; 29pp + Sequence Listing; German.
 PS
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ASC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ASC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1401 GTAAAAATTGTT 1411
 DB 13 GTAAAAATTGTT 3
 RESULT 373
 ABF19738
 ID ABF19738 standard; DNA; 13 BP.
 AC
 AC ABF19738;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 119735 for detecting SNP TSC0029876.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 119735; 29pp + Sequence Listing; German.
 PS
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ASC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 1 Other;
 SQ
 Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 84.6%; Pred. No. 2.7e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1351 GAAGAAAAATTT 1363
 DB 1 GAAGAAAAATTT 13
 RESULT 374
 ABF37537/c
 ID ABF37537 standard; DNA; 13 BP.
 AC
 AC ABF37537;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 137534 for detecting SNP TSC0034382.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 137534; 29pp + Sequence Listing; German.
 PS
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATT 1363
 Db 13 AGAAAAATATT 3

RESULT 375

ABF78655
 ID ABF78655 standard; DNA; 13 BP.

AC ABF78655;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 178652 for detecting SNP TSC0044255.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.

XX WO200177384-A2.
 PN

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 178652; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.7e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCAC 1367
 Db 1 AAATATTCAC 11

RESULT 376

ADE15253
 ID ADE15253 standard; DNA; 14 BP.

XX ADE15253;

XX 29-JAN-2004 (first entry)

XX Transcription inhibition detection related promoter element seqid 6.

XX antibacterial; transcription; transcription unit;
 KW gene expression inhibition; transcription unit inhibition;
 KW bacterial growth inhibition; promoter element; ds.

XX Unidentified.

XX US6605431-B1.

XX 12-AUG-2003.

XX 17-AUG-1999; 99US-00375673.

XX 17-AUG-1999; 99US-00375673.

XX (WISC) WISCONSIN ALUMNI RES FOUND.

XX Gourse RL, Estrem ST, Ross WE, Gaal T;

XX WPI; 2003-851203/79.

XX Detecting whether compound alters transcription of transcription unit by
 PT providing reaction mixture of first polynucleotide, adding test compound
 PT to reaction mixture and detecting amount of transcription product.

XX Example 3; SEQ ID NO 6; 38pp; English.

XX The invention describes a method of detecting whether a compound alters
 CC transcription of a transcription unit comprising providing a reaction
 CC mixture comprising a RNA polymerase and a first polynucleotide that
 CC contains a first promoter operably linked to a transcription unit, adding
 CC the compound to the reaction mixture and detecting amount of
 CC transcription product. The method is useful for determining whether the
 CC compound alters the transcription unit. The compound can be used to
 CC inhibit expression of transcription units and inhibit growth of bacteria.
 CC This sequence represents a promoter element associated with the method of
 CC detecting altered transcription.

XX Sequence 14 BP; 7 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 14;
 Best Local Similarity 100.0%; Pred. No. 3e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATT 1363
 Db 1 AGAAAAATATT 11

RESULT 377

AAA48271
 ID AAA48271 standard; DNA; 15 BP.

XX AAA48271;

XX 28-SEP-2000 (first entry)

XX E. coli ompA gene fragment, comprising ribosome binding site and 5'UTR.

KW Antigen presentation; vaccine; infectious disease; allergy; cancer;
 KW molecular scaffold; immune response; farm animal; organism; hGH;
 KW immunostimulatory; cytostatic; antiallergy; human growth hormone;
 KW FOS leucine zipper; OmpA; outer membrane protein; ss.
 XX Escherichia coli.
 OS
 PN WO200032227-A2.
 XX
 PD 08-JUN-2000.
 XX
 XX 30-NOV-1999; 99WO-IB001925.
 XX
 PR 30-NOV-1998; 98US-0110414P.
 PR 08-JUL-1999; 99US-0142788P.
 XX
 PA (CYTO-) CYTOS BIOTECHNOLOGY AG.
 XX
 PI Renner WA, Hennecke F, Nieba L, Bachmann M;
 XX
 DR WPI; 2000-412159/35.
 XX
 PT Composition for use as vaccine against infectious diseases and in
 PT treatment of cancer and allergies comprises non-naturally occurring
 PT molecular scaffold and antigen or antigenic determinant.
 XX
 PS Example 6; Page 47; 102pp; English.
 XX
 CC A new method for developing vaccines has been identified, in which a non-
 CC naturally occurring molecular scaffold, having a core particle and a
 CC covalently attached organiser, is attached to an antigen or antigenic
 CC determinant. The scaffold and antigen or antigenic determinant interact
 CC to form an ordered and repetitive antigen array. The composition is
 CC useful as a vaccine against infectious diseases, to induce immune
 CC responses in farm animals and also in the treatment of cancer and
 CC allergies. The human Growth Hormone, hGH, protein was used as the
 CC scaffold in the present invention, and was fused to E. coli outer
 CC membrane protein. OmpA signal sequence which is a FOS leucine zipper
 CC protein domain. The FOS domain formed the antigen attachment site. The
 CC present sequence is E. coli ompA gene fragment, comprising the ribosome
 CC binding site and 5'UTR. This sequence was used in the construction of the
 CC pAV vector series. The pAV vectors were used to express the FOS fusion
 CC proteins in E. coli
 XX
 SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred. No. 3.2e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1396 AGGAGGTAAAA 1406
 Db |||||
 1 AGGAGGTAAAA 11
 RESULT 378
 AAD15741
 ID AAD15741 standard; DNA; 15 BP.
 XX
 AC AAD15741;
 XX
 DT 15-NOV-2001 (first entry)
 XX
 DE Human interleukin 15 (IL-15) gene polymorphism detecting ASO probe #11.
 XX
 KW Human; interleukin 15; IL-15; gene therapy; chromosome 4q31; infection;
 KW drug screening; anthropological lineage; paternity testing; HIV; probe;
 KW Human Immunodeficiency Virus; forensic application; T-cell leukaemia;
 KW ASO; allele-specific oligonucleotide; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200158914-A2.

XX 16-AUG-2001.
 PD
 XX 08-FEB-2001; 2001WO-US004130.
 PF
 XX 08-FEB-2000; 2000US-0181059P.
 PR
 XX (GENA-) GENAISSANCE PHARM INC.
 PA
 XX Anastasio AE, Chew A, Denton RR, Nandabalan K, Stephens JC;
 PI WPI; 2001-522460/57.
 XX
 DR Novel polynucleotides comprising one of 11, PSI-PS11, single nucleotide
 PT polymorphisms in human interleukin-15 gene, and useful for treating
 PT disorders affected by expression of function of interleukin-15 isogene.
 XX
 PS Claim 16; Page 16; 78pp; English.
 XX
 CC The present sequence is allele-specific oligonucleotide (ASO) probe
 CC useful for detecting human interleukin-15 (IL-15) gene polymorphism
 CC located on chromosome 4q31. The polymorphic variants of IL-15 genes are
 CC useful for studying the expression and function of IL-15 and expressing
 CC IL-15 protein for use in useful for screening for candidate drugs to
 CC treat diseases related to IL-15 activity. Genotyping or haplotyping an
 CC individual at the novel IL-15 polymorphic sites are useful for studying
 CC population diversity, anthropological lineage, the significance of
 CC diversity and lineage of the phenotypic level, paternity testing,
 CC forensic applications and for identifying associations between IL-15
 CC genetic variation and a trait such as level of drug response or
 CC susceptibility to disease. Identifying an association between a genotype
 CC or haplotype and a trait, is useful for developing diagnostic tests and
 CC therapeutic treatments for infections, human immunodeficiency virus and T
 CC -cell leukaemia. The identification of an association between a clinical
 CC response and a genotype or haplotype (or haplotype pair) for the IL-15
 CC gene may be the basis for designing a diagnostic method to determine
 CC those individuals who will or will not respond to the treatment, or
 CC alternatively, will respond at a lower level and thus may require more
 CC treatment, i.e. a greater dose of a drug. The genotyping or haplotyping
 CC methods are also useful for developing drugs targeting IL-15. The
 CC genotyping and haplotyping methods are also useful in designing clinical
 CC trials. IL-15 DNA is useful for therapeutic purposes for treating
 CC disorders affected by expression of function of novel IL-15 isogene and
 CC also in gene therapy. Expression of an IL-15 isogene may be turned off by
 CC transforming a targetted organ, tissue or cell population of an
 CC expression vector that expresses high levels of untranslatable mRNA for
 CC the isogene
 XX
 SQ Sequence 15 BP; 10 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred. No. 3.2e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1351 GAAGAAAAATA 1361
 Db |||||
 5 GAAGAAAAATA 15
 RESULT 379
 AAF52311/c
 ID AAF52311 standard; DNA; 15 BP.
 XX
 AC AAF52311;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE IGF-I oligonucleotide #3271.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW

KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

XX Homo sapiens.
 XX WO200078341-A1.
 XX 28-DEC-2000.
 XX 21-JUN-2000; 2000WO-AU000693.
 XX 21-JUN-1999; 99US-0140345P.
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 XX Wraight CJ, Werther GA, Edmondson SR;
 XX WPI; 2001-041421/05.

XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

XX Example 8; Page 82; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia

XX Sequence 15 BP; 4 A; 3 G; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred.No. 3.2e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1413 ATGATGACCAG 1423
 |||||
 Db 11 ATGATGACCAG 1

RESULT 380
 AAF52306/C
 ID AAF52306 standard; DNA; 15 BP.

XX AAF52306;

XX 30-MAR-2001 (first entry)

XX IGF-I oligonucleotide #3266.

XX Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.

XX Homo sapiens.
 XX WO200078341-A1.
 XX 28-DEC-2000.
 XX 21-JUN-2000; 2000WO-AU000693.
 XX 21-JUN-1999; 99US-0140345P.
 XX (MURD-) MURDOCH CHILDRENS RES INST.
 XX Wraight CJ, Werther GA, Edmondson SR;
 XX WPI; 2001-041421/05.

XX Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.

XX Example 8; Page 82; 201pp; English.

XX The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia

XX Sequence 15 BP; 5 A; 5 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 8.5%; Score 11; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred.No. 3.2e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1414 TGATGACCAGT 1424
 |||||
 Db 15 TGATGACCAGT 5

RESULT 381
 ABK23841
 ID ABK23841 standard; DNA; 15 BP.

XX ABK23841;

XX 09-APR-2002 (first entry)

XX E. coli OmpA strong ribosome binding site.

XX Vaccine; molecular scaffold; pilus; pilin; HBcAg; antigen;
 KW hepatitis B virus capsid protein; JUN; FOS; HIV gp140;
 KW measles virus N protein; bee venom phospholipase; Th type 2 T-helper;
 KW Th2; Sinbis virus E2 protein; amyloid beta; influenza M2 antigen;
 KW human immunodeficiency virus infection; viral hepatitis; measles;
 KW chicken pox; pneumonia; tuberculosis; syphilis; malaria; allergy; cancer;
 KW chronic disease; arthritis; colitis; diabetes; multiple sclerosis; ss;
 XX OmpA ribosome binding site.

OS Escherichia coli.

XX WO200185208-A2.

XX 15-NOV-2001.
 XX
 PD 02-MAY-2001; 2001WO-IB000741.
 XX
 PF 05-MAY-2000; 2000US-0202341P.
 XX
 PR (CYTO-) CYTOS BIOTECHNOLOGY AG.
 XX (SEBB/) SEBBEL P.
 PA (DUNA/) DUNANT N.
 PA (BACH/) BACHMANN M.
 PA (TISS/) TISSOT A.
 PA (LECH/) LECHNER F.
 XX
 XX Sebbel P, Dunant N, Bachmann M, Tissot A, Lechner F;
 PI WPI; 2002-055561/07.
 XX
 DR New composition, useful for vaccine production, comprises antigen or
 PT antigenic determinant and non-natural molecular scaffold comprising
 PT organizer and core particle such as bacterial pilus or pilin protein.
 XX
 PS Example 6; Page 77; 287pp; English.
 XX
 CC The invention relates to a composition comprising: (a) a non-natural
 CC molecular scaffold (molecular scaffold) which comprises a core particle
 CC such as a bacterial pilus or pilin protein, a recombinant form of the
 CC protein, a virus-like particle or a hepatitis B virus capsid protein
 CC (HBcAg), and an organizer; and (b) an antigen or antigenic determinant,
 CC where the molecular scaffold and antigenic determinant interact to form
 CC an ordered and repetitive antigen array. Suitable antigenic determinants
 CC include JUN, FOS, HIV Gp140, measles virus N protein, bee venom
 CC phospholipase, Sinbis virus E2 protein, amyloid beta derived peptides and
 CC influenza M2 antigen. The composition (or vaccine) is useful for
 CC immunisation, by administration to a subject, where the administration
 CC produces an immune response, such as humoral, cellular or protective
 CC immune response, preferably a Th type 2 T-helper (Th2) response that is
 CC specific for the antigenic determinant. The administration induces
 CC antibodies specific for the antigenic determinant of a subtype
 CC corresponding to the Th2 subtype in the subject. The subject does not
 CC generate a Th2 subtype that is specific for pilus or pilin polypeptide or
 CC antigenic determinant. The composition is useful for the production of
 CC vaccines for prevention of infectious diseases such as human
 CC immunodeficiency virus, viral hepatitis, measles, chicken pox, pneumonia,
 CC tuberculosis, syphilis, malaria, and for treating allergy, cancer, and
 CC chronic diseases induced or accelerated by a Th1 type immune response,
 CC such as arthritis, colitis, diabetes and multiple sclerosis. The
 CC composition is useful to generate defined self-specific antibodies and
 CC specific immune responses of the Th2 type and allows the creation of
 CC highly efficient vaccines against infectious diseases, and for treating
 CC allergy, cancer, and chronic diseases induced or accelerated by a Th1
 CC type immune response. The present sequent is an OmpA ribosome binding
 CC site incorporated into vectors expressing compositions of the invention
 XX
 SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred. No. 3.2e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1396 AGGAGGTAAAA 1406
 |||||
 Db 1 AGGAGGTAAAA 11
 RESULT 382
 ABS70925
 ID ABS70925 standard; DNA; 15 BP.
 XX
 AC ABS70925;
 XX
 DT 10-DEC-2002 (first entry)
 XX

DE Molecular antigen array associated DNA sequence #13.
 XX
 KW Human; mouse; rat; antimicrobial; antiallergic; immunomodulatory;
 KW cytostatic; antiviral; antidiabetic; hypoglycaemic; antigen array;
 KW vaccine; infectious disease; ds.
 XX
 OS Unidentified.
 XX
 PN WO200256905-A2.
 XX
 PD 25-JUL-2002.
 XX
 PF 21-JAN-2002; 2002WO-IB000166.
 XX
 PR 19-JAN-2001; 2001US-0262379P.
 PR 04-MAY-2001; 2001US-0288549P.
 PR 05-OCT-2001; 2001US-0326988P.
 PR 07-NOV-2001; 2001US-0331045P.
 XX
 PA (CYTO-) CYTOS BIOTECHNOLOGY AG.
 XX
 PI Renner WA, Bachmann M, Tissot A, Maurer P, Lechner F, Sebbel P;
 PI Piossek C;
 XX
 DR WPI; 2002-627351/67.
 XX
 PT Molecular antigen array used in the production of vaccines for infectious
 PT diseases.
 PS Disclosure; Page 311; 441pp; English.
 XX
 CC This invention relates to a novel ordered and repetitive antigen array
 CC used in the production of vaccines for infectious diseases. The invention
 CC also discloses a composition comprising a non-natural molecular scaffold
 CC comprising a core particle selected from a core particle of a non-natural
 CC origin and a core particle of natural origin and an organizer comprising
 CC at least one first attachment site, where the organizer is connected to
 CC the core particle by at least one covalent bond. Also disclosed is an
 CC antigen or antigenic determinant with at least one second attachment
 CC site, where the antigen or antigenic determinant is amyloid beta peptide
 CC (Abeta1-42) or its fragment and where the second attachment site is
 CC selected from an attachment site not naturally occurring with the antigen
 CC or antigenic determinant and an attachment site naturally occurring with
 CC the antigen or antigenic determinant, where the second attachment site is
 CC capable of association through at least one non-peptide bond to the first
 CC attachment site and where the antigen or antigenic determinant and the
 CC scaffold interact through the association to form an ordered and
 CC repetitive antigen array. The invention also comprises a coat protein
 CC capable of forming a capsid which comprises mutant Qbeta coat proteins
 CC having an amino acid sequence selected from five amino acid sequences
 CC fully defined in the specification. The compounds of the invention may
 CC have antimicrobial, antiallergic, immunomodulatory, cytostatic,
 CC antiviral, antidiabetic, or hypoglycaemic activities and may be used in
 CC immunisation and as a vaccine. The present sequence represents a DNA
 CC sequence used to create the compositions of the invention
 XX
 SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
 Query Match 8.5%; Score 11; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred. No. 3.2e+02;
 Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1396 AGGAGGTAAAA 1406
 |||||
 Db 1 AGGAGGTAAAA 11
 RESULT 383
 ABS51906
 ID ABS51906 standard; DNA; 15 BP.
 XX
 AC ABS51906;
 XX
 DT 10-DEC-2002 (first entry)
 XX

KW allele-specific oligonucleotide; ASO; primer; ss.
 XX Homo sapiens.
 XX WO200238587-A2.
 XX 16-MAY-2002.
 XX 09-NOV-2001; 2001WO-US047325.
 XX 09-NOV-2000; 2000US-0247576P.
 XX (GENA-) GENAISSANCE PHARM INC.
 XX Bieglecki KM, Chew A, Choi JY, Koshy B, Parks KE;
 XX WPI; 2002-519291/55.
 XX Genetic variants of Glutamate Receptor, Metabotropic 8 isogenes, useful
 PT for improving efficiency and reliability in drug development for treating
 PT neuropathological conditions and retinitis pigmentosa.
 XX Claim 15; Page 15; 110pp; English.
 XX The invention relates to a method for haplotyping the glutamate receptor,
 CC metabotropic 8 (GRM8) gene (AB072798, AB072905) of an individual, and
 CC also describes 21 novel polymorphic sites within the human GRM8 gene. The
 CC GRM8 gene is located on chromosome 7q31.3-32.1 and contains 10 exons
 CC which encode a 908 amino acid protein (AB09564). GRM8 is involved in
 CC glutamate-mediated neurotransmission, being a member of a subfamily of
 CC metabotropic glutamate receptors that inhibit the activity of adenylylate
 CC cyclase in response to glutamate stimulation. The chromosomal location of
 CC the GRM8 gene encompasses regions linked to Smith-Lemli-Opitz syndrome
 CC and a form of retinitis pigmentosa. GRM8 nucleic acid sequences are
 CC useful in studying the expression and function of GRM8, and in expressing
 CC GRM8 protein for use in screening drugs for the treatment of GRM8-
 CC associated diseases (e.g., neuropathological disorders, Smith-Lemli-Opitz
 CC syndrome and retinitis pigmentosa). GRM8 nucleic acids and proteins are
 CC also useful in studying the effect of polymorphisms on the biological
 CC activity of GRM8. Polymorphisms in the target region may be determined by
 CC the use of allele-specific oligonucleotides (ASOs; AB072800-AB072862) as
 CC probes and primers, and by primer extension using oligonucleotide primers
 CC comprising sequences AB072863-AB072904. The method of the invention is
 CC useful for haplotyping the GRM8 gene in populations and in individuals,
 CC enabling decisions to be made as to whether GRM8 is a likely therapeutic
 CC target for a disease of interest, and in the design of clinical trials of
 CC candidate drugs for treating GRM8-associated disorders. In addition,
 CC transgenic animals comprising a human GRM8 gene are useful for studying
 CC the expression of GRM8 isogenes in vivo, for in vivo screening and
 CC testing of drugs targeted to GRM8, and for testing the efficacy of
 CC therapeutic agents and compounds for treating GRM8-associated conditions
 CC in a biological system. Sequences AB072821-AB072862 represent
 CC specifically claimed allele-specific oligonucleotide (ASO) primers used
 CC for detecting polymorphisms in the GRM8 gene
 SQ Sequence 15 BP; 3 A; 1 C; 5 G; 5 T; 0 U; 1 Other;
 Query Match 8.5%; Score 11; DB 1; Length 15;
 Best Local Similarity 84.6%; Pred. No. 3.2e+02;
 Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1384 TCTTCTGATCAMA 1396
 Db 14 YCTTCTGACCAA 2
 RESULT 386
 ABS66351
 ID ABS66351 standard; DNA; 15 BP.
 AC ABS66351;
 XX 29-NOV-2002 (first entry)

XX Molecular antigen array related modified ribosome binding site.
 DE Molecular antigen array; vaccine; ss; primer; antimicrobial;
 XX molecular scaffold; amyloid beta; Abeta 1-42; influenza;
 KW graft versus host disease; IGE-mediated allergic reaction; anaphylaxis;
 KW adult respiratory distress syndrome; ARDS; Crohn's disease;
 KW allergic asthma; acute lymphoblastic leukaemia; non-Hodgkin's lymphoma;
 KW Grave's disease; systemic lupus erythematosus; osteoporosis;
 KW inflammatory immune disease; myasthenia gravis; multiple sclerosis;
 KW immunoproliferative disease lymphadenopathy; Alzheimer's disease;
 KW angioimmunoproliferative lymphadenopathy; immunoblastic lymphadenopathy;
 KW rheumatoid arthritis; diabetes; infectious disease.
 XX Unidentified.
 OS WO200256907-A2.
 XX 25-JUL-2002.
 XX 21-JAN-2002; 2002WO-IB000168.
 XX 19-JAN-2001; 2001US-0262379P.
 PR 04-MAY-2001; 2001US-0288549P.
 PR 05-OCT-2001; 2001US-0326998P.
 PR 07-NOV-2001; 2001US-0331045P.
 XX (CYTO-) CYTOS BIOTECHNOLOGY AG.
 PA (NOVS) NOVAARTIS PHARMA AG.
 PA (MAUR) MAURER P.
 PA (LECH) LECHNER F.
 PA (ORTM) ORTMANN R.
 PA (LUSO) LUSOEND R.
 PA (STAU) STAUFENBIEL M.
 PA (FREY) FREY P.
 XX Maurer P, Lechner F, Ortmann R, Lueoend R, Staufenbiel M, Frey P;
 PI Renner WA, Bachmann M, Tissot A, Sebbel P, Piossek C;
 XX WPI; 2002-636514/68.
 XX Molecular antigen array used in the production of vaccines for infectious
 PT diseases.
 XX Disclosure; Page 289; 418pp; English.
 XX The invention relates to a composition comprising: (a) a non-natural
 CC molecular scaffold comprising: (i) a core particle selected from: (1) a
 CC core particle of a non-natural origin; and (2) a core particle of natural
 CC origin; and (ii) an organiser comprising at least one first attachment
 CC site, where the organiser is connected to the core particle by at least
 CC one covalent bond; (b) an antigen or antigenic determinant with at least
 CC one second attachment site, where the antigen or antigenic determinant is
 CC amyloid beta peptide (Abeta 1-42) or its fragment, and where the second
 CC attachment site is selected from: (i) an attachment site not naturally
 CC occurring with the antigen or antigenic determinant; and (ii) an
 CC attachment site naturally occurring with the antigen or antigenic
 CC determinant, where the second attachment site is capable of association
 CC through at least one non-peptide bond to the first attachment site; and
 CC where the antigen or antigenic determinant and the scaffold interact
 CC through the association to form an ordered and repetitive antigen array.
 CC Also included is a process for producing a non-naturally occurring
 CC ordered and repetitive antigen array. The composition is used in
 CC immunisation and as a vaccine for diseases such as influenza, graft
 CC versus host disease, IGE-mediated allergic reactions, anaphylaxis, adult
 CC respiratory distress syndrome (ARDS), Crohn's disease, allergic asthma,
 CC acute lymphoblastic leukaemia, non-Hodgkin's lymphoma, Grave's disease,
 CC systemic lupus erythematosus, inflammatory immune diseases, myasthenia
 CC gravis, immunoproliferative disease lymphadenopathy,
 CC angioimmunoproliferative lymphadenopathy, immunoblastic lymphadenopathy,
 CC rheumatoid arthritis, diabetes, multiple sclerosis, Alzheimer's disease,
 CC osteoporosis and infectious diseases. The present sequence is a Molecular
 CC antigen array related DNA sequence which is included in the sequence

CC Listing but is not mentioned anywhere else in the specification

XX Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;

SQ Query Match 8.5%; Score 11; DB 1; Length 15;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAATAA 1406

Db 1 AGGAGGTAATAA 11

RESULT 387

ABK32803/C

ID ABK32803 standard; DNA; 15 BP.

XX AC ABK32803;

XX DT 23-APR-2002 (first entry)

XX DE Human APPBP1 gene, allele-specific oligonucleotide #33.

XX KW Human; amyloid beta precursor protein binding protein 1; APPBP1; probe;

XX DE Alzheimer's disease; transgenic animal; platelet aggregation;

XX KW single nucleotide polymorphism; SNP; allele-specific oligonucleotide; ss.

XX KW Homo sapiens.

XX OS WO200202820-A1.

XX PN 10-JAN-2002.

XX PD 02-JUL-2001; 2001WO-US020951.

XX PF 30-JUN-2000; 2000US-0215511P.

XX PR (GENA-) GENAISSANCE PHARM INC.

XX PA Anastasio AE, Chew A, Choi JY, Kazemi A, Koshiy B, Sausker EA;

XX PI Stephens CJ;

XX PI WPI; 2002-164539/21.

XX DR Amyloid beta precursor protein binding protein 159 kD (APPBP1) gene

XX PT polymorphic variants, useful e.g. in studying the expression and function

XX PT of APPBP1 and screening candidate drugs for treating Alzheimer's disease.

XX PS Claim 17; Page 13; 104pp; English.

XX CC The invention relates to an isolated polypeptide comprising a sequence

XX CC which is a polymorphic variant of a reference sequence for the amyloid

XX CC beta precursor protein binding protein 1, 59kD (APPBP1) protein or its

XX CC fragment. The polymorphic variants are useful in studying the expression

XX CC and function of APPBP1, in expressing APPBP1 protein for use in screening

XX CC for candidate drugs to treat diseases related to APPBP1 activity, in

XX CC studying the effect of the variation on the biological activity of

XX CC APPBP1, and the binding affinity of candidate drugs targeting APPBP1 for

XX CC the treatment of disorders such as Alzheimer's disease. The haplotyping

XX CC methods are useful in validating APPBP1 as a candidate target for

XX CC treating a specific condition or disease predicted to be associated with

XX CC APPBP1 activity, or in the design of clinical trials of candidate drugs

XX CC for treating a specific condition or disease associated with APPBP1

XX CC activity. The transgenic animals are useful for studying expression of

XX CC the APPBP1 isogenes in vivo, for in vivo screening and testing of drugs

XX CC targeted against APPBP1 protein, and for testing the efficacy of

XX CC therapeutic agents and compounds for disorders related to platelet

XX CC aggregation in a biological system. ABK32771-ABK32327 represent human

XX CC APPBP1 gene allele-specific oligonucleotides used in the method of the

XX CC invention

SQ Sequence 15 BP; 3 A; 2 C; 1 G; 8 T; 0 U; 1 Other;

Query Match

Best Local Similarity 84.6%; Pred. No. 3.2e+02;

Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAATAATT 1408

Db 15 ASAAGGTAATAATT 3

RESULT 388

ABA91820

ID ABA91820 standard; DNA; 15 BP.

XX AC ABA91820;

XX DT 15-MAY-2002 (first entry)

XX DE Escherichia coli ompA gene ribosome binding site.

XX KW Ribosome binding site; RBS; ompA gene; IgE; immunoglobulin E; allergy;

XX KW asthma; eczema; urticaria; anaphylactic shock; allergic rhinitis;

XX KW conjunctivitis; antianaphylactic; immunosuppressive; antiallergic;

XX KW antiasthmatic; antiinflammatory; dermatological; vasotropic;

XX KW ophthalmological; vaccine; therapy; ds.

XX OS Escherichia coli.

XX PN WO200209751-A2.

XX PD 07-FEB-2002.

XX PF 27-JUL-2001; 2001WO-IB001353.

XX PR 28-JUL-2000; 2000US-0221841P.

XX PA (CYTO-) CYTOS BIOTECHNOLOGY AG.

XX PA (BACH/) BACHMANN M F.

XX PA (RENN/) RENNER W A.

XX PI Bachmann MF, Renner WA;

XX PI WPI; 2002-227076/28.

XX CC Composition for treating immunoglobulin (Ig) E-mediated disorder such as

XX CC anaphylactic shock, allergic rhinitis and conjunctivitis, comprises a

XX CC polypeptide that includes CH1 and/or CH4 domains of IgE molecule coupled

XX CC to a carrier.

XX PS Example; Page 38; 71pp; English.

XX CC The present sequence is that of the strong ribosome binding site and 5'

XX CC untranslated region of the Escherichia coli ompA gene. The sequence was

XX CC used in a pAV vector series (see ABA91821-25) for expression of FOS

XX CC fusion proteins in E. coli. The invention is based on the discovery that

XX CC a polypeptide that includes the CH1 and/or CH4 domain(s) of an IgE

XX CC molecule (see AM50940), coupled to a carrier (e.g. FOS), can be used to

XX CC induce self-specific anti-IgE antibodies in a mammal that reduce or

XX CC eliminate the pool of free IgE in the mammal's serum. Claimed

XX CC compositions comprising a carrier joined to the IgE derived polypeptide,

XX CC or a polynucleotide encoding the fusion protein, are used to inhibit or

XX CC prevent IgE-mediated disorders such as anaphylactic shock, allergic

XX CC rhinitis or conjunctivitis, an allergic reaction to an allergen such as

XX CC fur, dust or food, an asthmatic reaction, eczema or urticaria (all

XX CC claimed)

XX SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;

Query Match

Best Local Similarity 100.0%; Pred. No. 3.2e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAATAA 1406

Db 1 AGGAGGTAATAA 11

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Db      1 AGGAGGTAAAA 11
RESULT 389
ID      AAN94501
ID      AAN94501 standard; DNA; 14 BP.
XX      AC      AAN94501;
XX      XX      25-MAR-2003 (revised)
DT      DT      03-OCT-2002 (revised)
DT      DT      25-JUN-1990 (first entry)
XX      XX      Probe for N-terminal of human adult T cell leukaemia derived factor.
DE      XX      Human adult T cell leukaemia derived factor; hADF; cancer; probe; ss;
KW      KW      immunodeficiency disease.
XX      XX      Homo sapiens.
XX      FN      EP299206-A.
XX      PD      18-JAN-1989.
XX      PF      10-JUN-1988; 88EP-00109311.
XX      PR      12-JUN-1987; 87JP-00146348.
XX      PR      31-MAY-1988; 88JP-00134218.
XX      PA      (AJIN ) AJINOMOTO KK.
XX      PI      Yodoi J, Tagaya Y, Maeda M, Mateui H, Kondo N, Hamuro J;
XX      WPI; 1989-016762/03.
XX      XX      Recombinant human adult T cell leukaemia derived factor polypeptide -
PT      PT      used for treating cancer, immuno-deficiency disease etc.
XX      PS      Disclosure; Page 8; 24pp; English.
XX      CC      The probe (N-2) was used to screen a gene bank prepd. from mRNA isolated
CC      from ATL-2 cells from a patient with adult T leukaemia virus. Vectors
CC      contg. the DNA can be used to transform host cells for prodn. of hADF
CC      polypeptide. The polypeptide causes differentiation and induces growth of
CC      lymphocytes and fibroblasts. See also AAN94500-N94509. (Updated on 03-OCT
CC      2002 to add missing OS field.) (Updated on 25-MAR-2003 to correct PR
CC      field.)
XX      SQ      Sequence 14 BP; 6 A; 1 C; 2 G; 2 T; 0 U; 3 Other;
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1461 TCAAGCAATAG 1472
      |||:|:|:|:|
Db      2 TVAARCATAG 13

RESULT 390
ID      AAV49148
ID      AAV49148 standard; DNA; 14 BP.
XX      AC      AAV49148;
XX      XX      15-OCT-1998 (first entry)
DT      DT      rb gene antisense oligonucleotide rb-N-96.
DE      DE      rb gene; antisense oligonucleotide; modulate; gene expression; ss.
XX      KW      Synthetic.
XX      OS      Homo sapiens.
OS

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XX      EP856579-A1.
PN
XX      PD      05-AUG-1998.
XX      PF      31-JAN-1997; 97EP-00101531.
XX      PR      31-JAN-1997; 97EP-00101531.
XX      PA      (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX      PI      Schlingensiepen K, Brysch W;
XX      WPI; 1998-400910/35.
XX      PT      Preparation of antisense oligo:nucleotide(s) which lack long runs of
PT      consecutive guanosine or inosine - and have specific ratio of residues
PT      able to form two or three hydrogen bonds, have greater activity and
PT      reduced toxicity, used therapeutically or to modulate growth of cells in
PT      cultura.
XX      XX      Example 7; Fig 9b; 286pp; English.
XX      CC      AAV49008-236 represent antisense oligonucleotides directed against the rb
CC      gene. Of these, only oligonucleotides AAV49008-52 resulted in effective
CC      downregulation of negative growth control by rb, while oligonucleotides
CC      AAV49032-236 had little effect. The oligonucleotides exemplify the
CC      invention. The specification describes oligonucleotides that contain 8-30
CC      nucleotides, which contain at most 8 nucleotides that can each form three
CC      hydrogen bonds to cytosine; do not contain four consecutive nucleotides
CC      able to form three H-bonds each to four consecutive cytosines; do not
CC      contain two sequences of three consecutive nucleotides each able to form
CC      three H-bonds to three consecutive cytosines, and the ratio between
CC      residues able to form two H-bonds each (2R) or three such bonds (3R) is
CC      given by 2R/3R = 0.33-0.72. The oligonucleotides are used to modulate
CC      expression of genes, particularly the genes for p53, ErbB-2, jumb, jund,
CC      TGF-beta 1 or beta 2 to control proliferation of primary cell cultures
CC      (e.g. bone marrow stem, liver or kidney cells, osteoclasts, osteoblasts
CC      and/or keratinocytes). The oligonucleotides can also be used to analyse
CC      function of proteins (by altering their expression or activity) and
CC      therapeutically, e.g. in cases of cancer or (targeting TGF) for
CC      stimulating the immune system
XX      SQ      Sequence 14 BP; 6 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1402 TAAAATTGTTAATG 1415
      |||:|:|:|:|
Db      1 TAAAATTGTAATG 14

RESULT 391
ID      AAZ64860
ID      AAZ64860 standard; RNA; 14 BP.
XX      AC      AAZ64860;
XX      XX      28-MAR-2000 (first entry)
DT      DT      Substrate for hairpin ribozyme which cleaves HCV at nt. 7593.
DE      DE      Enzymatic nucleic acid; hammerhead ribozyme; virus replication; cleavage;
KW      KW      cirrhosis; liver failure; hepatocellular carcinoma; interferon; cancer;
KW      autoimmune disease; ss.
XX      XX      Hepatitis C virus.
XX      OS      WO9955847-A2.
XX      PN      04-NOV-1999.
XX      PD

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XX PF 26-APR-1999; 99WO-US009027.
XX PF
XX PR 27-APR-1998; 98US-0083217P.
XX PR 18-SEP-1998; 98US-0100842P.
XX PR 25-FEB-1999; 99US-00257608.
XX PR 23-MAR-1999; 99US-00274553.
XX PA
XX PA (RIBO-) RIBOZYME PHARM INC.
XX PI Blatt L, Mcswiggen JA, Roberts E, Pavco PA, Macejak D;
XX DR WPI; 2000-062023/05.
XX PT Novel ribozymes for the treatment of diseases and conditions related to
XX PT hepatitis C infection.
XX FS Claim 2; Page 100; 123pp; English.
XX CC The present sequence represents the preferred target sequence of an
XX CC enzymatic nucleic acid, especially a hairpin ribozyme, which cleaves the
XX CC Hepatitis C virus (HCV) RNA sequence at the base position given in the
XX CC descriptor line. The HCV sequence was screened for optimal ribozyme
XX CC target sites using a computer folding algorithm and regions of the mRNA
XX CC which did not form secondary folding structures and contained potential
XX CC ribozyme cleavage sites were identified. Ribozymes were synthesised to
XX CC target these sites and their activities optimised by either varying the
XX CC length of the binding arms or by modification to prevent degradation by
XX CC nucleases. The ribozymes of the invention inhibit gene expression and/or
XX CC viral replication, and are used to treat diseases associated with
XX CC Hepatitis C virus (HCV) infection, e.g. cirrhosis, liver failure and
XX CC hepatocellular carcinoma. The ribozymes may be used in combination with
XX CC interferon to treat HCV infection, other infectious diseases, autoimmune
XX CC diseases, and cancer
XX SQ Sequence 14 BP; 2 A; 5 C; 3 G; 0 T; 4 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 57.1%; Pred. No. 3.2e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
Qy 1382 CGTCTTCTGATCAA 1395
|||:|:|:|
Db 1 CGUCUGCUGCUCAA 14
RESULT 392
AAFS7803/C
ID AAF57803 standard; DNA; 14 BP.
XX AC
XX AC AAF57803;
XX DT 19-APR-2001 (first entry)
XX DE Human OPG PCR primer #22.
XX KW Bone loss; osteoprotegerin; OPG; rheumatoid arthritis; hyperalgesia;
XX KW multiple sclerosis; osteoporosis; osteomyelitis; asthma; inflammation;
XX KW systemic lupus erythematosus; graft-versus-host disease; septic shock;
XX KW acute pancreatitis; Alzheimer's disease; anorexia; atherosclerosis; pain;
XX KW coronary condition; myocardial infarction; cancer; diabetes; psoriasis;
XX KW endometriosis; fever; glomerulonephritis; inflammatory bowel disease;
XX KW ischaemia; Parkinson's disease; PCR primer; ss.
XX OS Homo sapiens.
XX PN WO200103719-A2.
XX PD 18-JAN-2001.
XX PF 07-JUL-2000; 2000WO-US018667.
XX PR 09-JUL-1999; 99US-00350670.
PR 09-DEC-1999; 99US-00457647.
XX PA (AMGE-) AMGEN INC.
XX PI Boyle WJ, Lacey DL, Calzone FJ, Chang M, Senaldi G;
XX DR WPI; 2001-103031/11.
XX PT Treating conditions leading to bone loss such as rheumatoid arthritis,
XX PT multiple sclerosis and asthma, comprises administering an osteoprotegerin
XX PT protein in conjunction with e.g. inhibitors of interleukin and tumor
XX PT necrosis factor alpha.
XX PS Example 8; Page 127; 316pp; English.
XX CC The present invention relates to a method for treating conditions leading
XX CC to bone loss. The method comprises administering a purified and isolated
XX CC osteoprotegerin (OPG) protein (AAF57836-AAF57838 and AAB66974-AAB66976)
XX CC in conjunction with other substances such as tumour necrosis factor-alpha
XX CC (TNF-alpha) inhibitors, interleukin (IL)-6, -8 and -18 inhibitors, IGF
XX CC modulators, fibroblast growth factor (FGF) 1-10 modulators and/or platelet
XX CC activating factor (PAF) antagonists. The method is useful for treating
XX CC conditions leading to bone loss such as rheumatoid arthritis, multiple
XX CC sclerosis, osteoporosis, osteomyelitis and asthma. The method is also
XX CC useful for treating inflammation, systemic lupus erythematosus (SLE) and
XX CC graft-versus-host disease (GvHD). Other diseases that can be treated
XX CC include acute pancreatitis, Alzheimer's disease, anorexia,
XX CC atherosclerosis, coronary conditions (e.g. myocardial infarction),
XX CC cancer, diabetes, endometriosis, fever, glomerulonephritis, hyperalgesia,
XX CC inflammatory bowel disease, ischaemia, pain, Parkinson's disease,
XX CC psoriasis and septic shock. The present sequence is a PCR primer used in
XX CC the present invention
XX SQ Sequence 14 BP; 5 A; 4 C; 1 G; 4 T; 0 U; 0 Other;
Query Match 8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1408 TGTAAATGATGACC 1421
|||||:|:|
Db 14 TGTAAATGAGGATC 1
RESULT 393
ABX01697
ID ABX01697 standard; RNA; 14 BP.
XX AC
XX AC ABX01697;
XX DT 23-DEC-2002 (first entry)
XX DE Hepatitis C virus substrate #182 for HCV hairpin ribozyme #182.
XX KW Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection;
XX KW HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide;
XX KW liver failure; hepatocellular carcinoma; HCV infection; drug therapy;
XX KW type I interferon; interferon alpha; interferon beta; cyostatic;
XX KW interferon gamma; consensus interferon; hepatotropic; antiinflammatory;
XX KW substrate; hairpin ribozyme; Hp ribozyme; ss.
XX OS Hepatitis C virus.
XX PN US2002082225-A1.
XX PD 27-JUN-2002.
XX PF 23-MAR-1999; 99US-00274553.
XX PR 23-MAR-1999; 99US-00274553.
XX PA (BLAT/) BLATT L.
XX PA (MCSW/) MCSWIGGEN J A.

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PA (ROBE/) ROBERTS B.
 PA (PAVC/) PAVCO P A.
 PA (MACE/) MACEJACK D.
 XX
 PI Blatt L, Mcswiggen JA, Roberts B, Pavco PA, Macejack D;
 PI WPI; 2002-617759/66.
 DR
 XX New ribozymes targeting RNA derived from hepatitis C virus inhibit viral
 PT replication and are useful to treat hepatitis C virus infections and
 PT cirrhosis, liver failure or hepatocellular carcinoma.
 XX
 PS Claim 2; Page 63; 80pp; English.
 XX
 CC The present invention relates to enzymatic nucleic acids which
 CC specifically cleave RNA derived from Hepatitis C virus (HCV). The
 CC enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin
 CC (HP) motif where the binding arms comprise sequences complementary to one
 CC of the substrate sequences defined in the specification. The HCV
 CC ribozymes are useful for modulating the expression and/or replication of
 CC HCV. They can be used to treat cirrhosis, liver failure and/or
 CC hepatocellular carcinoma. The HCV ribozymes are also useful for treating
 CC a condition associated with HCV infection in conjunction with one or more
 CC other drug therapies, particularly type I interferon, especially
 CC interferon alpha, beta or gamma or consensus interferon. The present
 CC sequence represents a substrate for a HCV hairpin (HP) ribozyme. Note:
 CC Some of the sequence data for this patent did not form part of the
 CC printed specification. The complete sequence data for this patent was
 CC obtained in electronic format directly from the USPTO web site at
 CC seqdata.uspto.gov/psipsdIDEntry.html
 XX
 SQ Sequence 14 BP; 2 A; 5 C; 3 G; 0 T; 4 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 14;
 Best Local Similarity 57.1%; Pred. No. 3.2e+02;
 Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1382 CGCTCTCTGATCAA 1395
 ||:|: ||:|:|
 Db 1 CGUCUGCUGCUCAA 14

RESULT 394
 ADE15274/c
 ID ADE15274 standard; DNA; 14 BP.
 XX
 AC ADE15274;
 XX
 DT 29-JAN-2004 (first entry)
 XX
 DE Transcription inhibition detection related promoter element seqid 27.
 XX
 KW antibacterial; transcription; transcription unit;
 KW gene expression inhibition; transcription unit inhibition;
 KW bacterial growth inhibition; promoter element; ds.
 XX
 OS Unidentified.
 XX
 PN US6605431-B1.
 XX
 PD 12-AUG-2003.
 XX
 PF 17-AUG-1999; 99US-00375673.
 XX
 PR 17-AUG-1999; 99US-00375673.
 XX
 XX (WISC) WISCONSIN ALUMNI RES FOUND.
 PA
 XX Course RL, Estrem ST, Ross WE, Gaal T;
 PI
 XX WPI; 2003-851203/79.
 DR
 XX
 PT Detecting whether compound alters transcription of transcription unit by

PT providing reaction mixture of first polynucleotide, adding test compound
 PT to reaction mixture and detecting amount of transcription product.
 XX
 PS Example 3; SEQ ID NO 27; 38pp; English.
 XX
 CC The invention describes a method of detecting whether a compound alters
 CC transcription of a transcription unit comprising providing a reaction
 CC mixture comprising a RNA polymerase and a first polynucleotide that
 CC contains a first promoter operably linked to a transcription unit, adding
 CC the compound to the reaction mixture and detecting amount of
 CC transcription product. The method is useful for determining whether the
 CC compound alters the transcription unit. The compound can be used to
 CC inhibit expression of transcription units and inhibit growth of bacteria.
 CC This sequence represents a promoter element associated with the method of
 CC detecting altered transcription.
 XX
 SQ Sequence 14 BP; 4 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 14;
 Best Local Similarity 85.7%; Pred. No. 3.2e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1365
 || |||||
 Db 14 AAAAAAATTTTC 1

RESULT 395
 AAQ80598
 ID AAQ80598 standard; DNA; 15 BP.
 XX
 AC AAQ80598;
 XX
 DT 25-MAR-2003 (revised)
 DT 21-OCT-1995 (first entry)
 XX
 DE High affinity IgE receptor beta-subunit variant.
 XX
 KW IgE receptor; mutation; polymorphism; atopy diagnosis; ds.
 XX
 OS Homo sapiens.
 XX
 FH Key Location/Qualifiers
 FT misc_feature 4
 FT /tag= a
 FT /note= "A in wt"
 FT misc_feature 6
 FT /tag= b
 FT /note= "T in wt"
 FT misc_feature 10
 FT /tag= c
 FT /note= "G in wt"
 XX
 PN WO9505481-A1.
 XX
 XX 23-FEB-1995.
 XX
 PF 17-AUG-1994; 94WO-GB001801.
 XX
 XX 18-AUG-1993; 93GB-00017185.
 PR 27-MAY-1994; 94GB-00010669.
 XX
 XX (ISIS-) ISIS INNOVATION LTD.
 XX
 XX Cookson WOCM, Hopkin JM, Shirakawa T;
 PI
 XX WPI; 1995-098778/13.
 DR P-PSDB; AAR69998.
 XX
 XX Diagnostic method for atopy - comprises detecting presence of mutation or
 PT polymorphism in gene encoding beta-sub:unit of high affinity IgE
 PT receptor.
 XX

PS Claim 4; Page 32; 48pp; English.

XX The sequence corresponds to exon 6 of a variant gene encoding the high

CC affinity IGE receptor on chromosome-11q, starting at position 5640. The

CC specified mutations in this region result in a substitution of Leu for

CC Ile-181 and Leu for Val-183. The mutations can be detected in a method

CC for the diagnosis of atopy or predisposition to atopy. (Updated on 25-MAR

CC -2003 to correct PN field.)

XX Sequence 15 BP; 4 A; 0 C; 5 G; 6 T; 0 U; 0 Other;

SQ

Query Match 8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 3.5e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGATG 1418

Db 2 AATTGGTATTGATG 15

||||| ||| |||||

RESULT 396

AAQ80599

ID AAQ80599 standard; DNA; 15 BP.

XX

AC AAQ80599;

XX

DT 25-MAR-2003 (revised)

DT 21-OCT-1995 (first entry)

XX

DE High affinity IGE receptor beta-subunit variant.

XX

KW IGE receptor; mutation; polymorphism; atopy diagnosis; ds.

XX

OS Homo sapiens.

XX

PH Key Location/Qualifiers

FT misc_feature 4

FT /*tag= a

FT /*note= "A in wt"

FT misc_feature 6

FT /*tag= b

FT /*note= "T in wt"

XX

PN WO9505481-A1.

XX

PD 23-FEB-1995.

XX

PF 17-AUG-1994; 94WO-GB001801.

XX

PR 18-AUG-1993; 93GB-00017185.

PR 27-MAY-1994; 94GB-00010669.

XX

PA (ISIS-) ISIS INNOVATION LTD.

XX

PI Cookson WOCM, Hopkin JM, Shirakawa T;

XX

DR WPI; 1995-098778/13.

DR P-PSDB; AAR6999.

XX

PT Diagnostic method for atopy - comprises detecting presence of mutation or

PT polymorphism in gene encoding beta-sub:unit of high affinity IGE

PT receptor.

XX

PS Claim 4; Page 33; 48pp; English.

XX

CC The sequence corresponds to exon 6 of a variant gene encoding the high

CC affinity IGE receptor on chromosome-11q, starting at position 5640. The

CC specified mutations in this region result in a substitution of Leu for

CC Ile-181. The mutations can be detected in a method for the diagnosis of

CC atopy or predisposition to atopy. (Updated on 25-MAR-2003 to correct PN

CC field.)

XX

SQ Sequence 15 BP; 4 A; 0 C; 6 G; 5 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;

Best Local Similarity 85.7%; Pred. No. 3.5e+02;

Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGATG 1418

Db 2 AATTGGTATTGATG 15

||||| ||| |||||

RESULT 397

AAT54299

ID AAT54299 standard; RNA; 15 BP.

XX

AC AAT54299;

XX

DT 25-MAR-2003 (revised)

DT 24-MAR-1997 (first entry)

XX

DE Human IL-5 hammerhead ribozyme target sequence (nt. position 579).

XX

KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;

KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;

KW intercellular adhesion molecule; rel A; tumour necrosis factor;

KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;

KW translocation; chronic myelogenous leukaemia; CML; cancer;

KW Philadelphia chromosome; inflammation; autoimmune disease;

KW atherosclerosis; myocardial infarction; stroke; restenosis;

KW transplant rejection; rheumatoid arthritis; psoriasis;

KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;

KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;

XX ss.

XX

OS Homo sapiens.

XX

PN WO9523225-A2.

XX

PD 31-AUG-1995.

XX

PF 23-FEB-1995; 95WO-IB000156.

XX

PR 23-FEB-1994; 94US-00201109.

PR 29-MAR-1994; 94US-00218934.

PR 04-APR-1994; 94US-00222795.

PR 07-APR-1994; 94US-00224483.

PR 15-APR-1994; 94US-00227958.

PR 15-APR-1994; 94US-00228041.

PR 18-MAY-1994; 94US-00245736.

PR 06-JUL-1994; 94US-00271280.

PR 15-AUG-1994; 94US-00291932.

PR 16-AUG-1994; 94US-00291433.

PR 17-AUG-1994; 94US-00292620.

PR 19-AUG-1994; 94US-00293520.

PR 02-SEP-1994; 94US-00300000.

PR 08-SEP-1994; 94US-00303039.

PR 23-SEP-1994; 94US-00311486.

PR 23-SEP-1994; 94US-00311749.

PR 28-SEP-1994; 94US-00314397.

PR 03-OCT-1994; 94US-00316771.

PR 07-OCT-1994; 94US-00319492.

PR 11-OCT-1994; 94US-00321993.

PR 04-NOV-1994; 94US-00334847.

PR 10-NOV-1994; 94US-00337608.

PR 28-NOV-1994; 94US-00345516.

PR 16-DEC-1994; 94US-00357577.

PR 23-DEC-1994; 94US-00362233.

PR 30-JAN-1995; 95US-00380734.

XX

PA (RIBO-) RIBOZYME PHARM INC.

XX

PI Stinchcomb DT, Chowrira B, Direnzo A, Draper KG, Dudycz LM;

PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;

PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;

```

PI Tracz D, Usman N, Wincott FE, Woolf T;
XX WPI; 1995-351090/45.
XX
XX Ribozymes having modified bases and methods for producing them - for use
PT in inhibiting disease related genes.
PT
XX
XX Claim 2; Page 215; 407pp; English.
PS
XX
XX The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
CC 5) mRNA at the nucleotide base position indicated in the DE line. Regions
CC of the mRNA that do not form secondary folding structures and that
CC contain potential hammerhead and hairpin ribozyme cleavage sites were
CC identified by computer analysis. Ribozymes directed against these mRNA
CC sequences were designed and synthesised with modifications that improve
CC their nuclease resistance. The ribozymes cleave the IL-5 target sequences
CC and thereby inhibit IL-5 expression, making them useful for treating
CC chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
CC and preventing the recruitment and activation of eosinophils. The
CC ribozymes can also be used to treat eosinophilia (related to parasitic
CC infection or with pulmonary infiltration) and L-tryptophan-associated
CC eosinophilia-myalgia syndrome. (Updated on 25-MAR-2003 to correct PI
CC field.)
XX
XX Sequence 15 BP; 6 A; 2 C; 2 G; 0 T; 5 U; 0 Other;
SQ
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 3.5e+02;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 1357 AAATATTCACGCA 1370
DB ||||:|||||
2 AAUAUUUAGGCA 15
RESULT 398
AAT54593/C
ID AAT54593 standard; RNA; 15 BP.
XX
XX AAT54593;
XX
XX 25-MAR-2003 (revised)
DT
DT 22-APR-1997 (first entry)
XX
XX Mouse IL-5 hammerhead ribozyme target sequence (nt. position 557).
XX
XX Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
KW intercellular adhesion molecule; rel A; tumour necrosis factor;
KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
KW translocation; chronic myelogenous leukaemia; CML; cancer;
KW Philadelphia chromosome; inflammation; autoimmune disease;
KW atherosclerosis; myocardial infarction; stroke; restenosis;
KW transplant rejection; rheumatoid arthritis; psoriasis;
KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
KW ss.
XX
XX Mus musculus.
OS
XX
XX WO9523225-A2.
PN
XX
XX 31-AUG-1995.
PD
XX
XX 23-FEB-1995; 95WO-IB000156.
PF
XX
XX 23-FEB-1994; 94US-00201109.
PR
XX 29-MAR-1994; 94US-00218934.
PR
XX 04-APR-1994; 94US-0022795.
PR
XX 07-APR-1994; 94US-00224483.
PR
XX 15-APR-1994; 94US-00227958.
PR
XX 15-APR-1994; 94US-00228041.
PR
18-MAY-1994; 94US-00245736.
PR
06-JUL-1994; 94US-00271280.
PR
15-AUG-1994; 94US-00291932.
PR
16-AUG-1994; 94US-00291433.
PR
17-AUG-1994; 94US-00292620.
PR
19-AUG-1994; 94US-00293520.
PR
02-SEP-1994; 94US-00300000.
PR
08-SEP-1994; 94US-00303039.
PR
23-SEP-1994; 94US-00311486.
PR
23-SEP-1994; 94US-00311749.
PR
28-SEP-1994; 94US-00314397.
PR
03-OCT-1994; 94US-00316771.
PR
07-OCT-1994; 94US-00319492.
PR
11-OCT-1994; 94US-00321993.
PR
04-NOV-1994; 94US-00334847.
PR
10-NOV-1994; 94US-00337608.
PR
28-NOV-1994; 94US-00345516.
PR
16-DEC-1994; 94US-00357577.
PR
23-DEC-1994; 94US-00363233.
PR
30-JAN-1995; 95US-00380734.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Stinchcomb DT, Chowira B, Dizenzo A, Draper KG, Dudycz LW;
PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
PI Tracz D, Usman N, Wincott FE, Woolf T;
XX WPI; 1995-351090/45.
XX
XX Ribozymes having modified bases and methods for producing them - for use
PT in inhibiting disease related genes.
PT
XX
XX Claim 2; Page 220; 407pp; English.
XX
XX The present sequence represents a preferred target sequence for an
CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
CC 5) mRNA at the nucleotide base position indicated in the DE line. Regions
CC of the mRNA that do not form secondary folding structures and that
CC contain potential hammerhead and hairpin ribozyme cleavage sites were
CC identified by computer analysis. Ribozymes directed against these mRNA
CC sequences were designed and synthesised with modifications that improve
CC their nuclease resistance. The ribozymes cleave the IL-5 target sequences
CC and thereby inhibit IL-5 expression, making them useful for treating
CC chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
CC and preventing the recruitment and activation of eosinophils. The
CC ribozymes can also be used to treat eosinophilia (related to parasitic
CC infection or with pulmonary infiltration) and L-tryptophan-associated
CC eosinophilia-myalgia syndrome. (Updated on 25-MAR-2003 to correct PI
CC field.)
XX
XX Sequence 15 BP; 3 A; 2 C; 0 G; 0 T; 10 U; 0 Other;
SQ
Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1437 ACATATACATGCAA 1450
DB |||||
15 AAATATAAATGCAA 2
RESULT 399
AAT52182
ID AAT52182 standard; RNA; 15 BP.
XX
XX AAT52182;
XX
XX 25-MAR-2003 (revised)
DT
DT 01-APR-1997 (first entry)
XX
XX Mouse ICAM hammerhead ribozyme target sequence (nt. position 23).
XX

```

KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
 KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
 KW intercellular adhesion molecule; rel A; tumour necrosis factor;
 KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
 KW translocation; chronic myelogenous leukaemia; CML; cancer;
 KW Philadelphia chromosome; inflammation; autoimmune disease;
 KW atherosclerosis; myocardial infarction; stroke; restenosis;
 KW transplant rejection; rheumatoid arthritis; psoriasis;
 KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
 KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
 KW ss.
 XX Mus musculus.
 OS
 XX
 XX
 PN W09523225-A2.
 XX
 XX 31-AUG-1995.
 XX
 XX 23-FEB-1995; 95WO-IB000156.
 XX
 XX 23-FEB-1994; 94US-00201109.
 PR 29-MAR-1994; 94US-00218934.
 PR 04-APR-1994; 94US-00222795.
 PR 07-APR-1994; 94US-00224483.
 PR 15-APR-1994; 94US-00227958.
 PR 18-MAY-1994; 94US-00228041.
 PR 15-APR-1994; 94US-00245736.
 PR 06-JUL-1994; 94US-00271280.
 PR 15-AUG-1994; 94US-00291932.
 PR 16-AUG-1994; 94US-00291433.
 PR 17-AUG-1994; 94US-00292620.
 PR 19-AUG-1994; 94US-00293520.
 PR 02-SEP-1994; 94US-00300000.
 PR 08-SEP-1994; 94US-00303039.
 PR 23-SEP-1994; 94US-00311486.
 PR 23-SEP-1994; 94US-00311749.
 PR 28-SEP-1994; 94US-00314397.
 PR 03-OCT-1994; 94US-00316771.
 PR 07-OCT-1994; 94US-00319492.
 PR 11-OCT-1994; 94US-00321993.
 PR 10-NOV-1994; 94US-00334847.
 PR 28-NOV-1994; 94US-00345516.
 PR 16-DEC-1994; 94US-00357577.
 PR 23-DEC-1994; 94US-00363233.
 PR 30-JAN-1995; 95US-00380734.
 XX
 XX (RIBO-) RIBOZYME PHARM INC.
 XX Stinchcomb DT, Chowrira B, Drenzo A, Dudycz LW;
 PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcawiggen JA;
 PI Modak A, Pavco P, Begelman L, Sullivan SM, Sweedler D, Thompson JD;
 PI Tracz D, Usman N, Wincott FE, Woolf T;
 DR WPI; 1995-351090/45.
 XX
 XX Ribozymes having modified bases and methods for producing them - for use
 PT in inhibiting disease related genes.
 XX
 XX Claim 2; Page 177; 407pp; English.
 XX
 CC The present sequence represents a preferred target sequence for an
 CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves ICAM-1 mRNA at the
 CC nucleotide base position indicated in the DE line. Regions of the mRNA
 CC that do not form secondary folding structures and that contain potential
 CC hammerhead and hairpin ribozyme cleavage sites were identified by
 CC computer analysis. Ribozymes directed against these mRNA sequences were
 CC designed and synthesised with modifications that improve their nuclease
 CC resistance. The ribozymes cleave the ICAM-1 target sequences and thereby
 CC inhibit ICAM-1 expression, making them useful for reducing transplant
 CC rejection and alleviating symptoms in patients with rheumatoid arthritis,
 CC asthma and other inflammatory disorders. (Updated on 25-MAR-2003 to
 CC correct PI field.)

XX
 SQ Sequence 15 BP; 1 A; 4 C; 4 G; 0 T; 6 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 50.0%; Pred. No. 3.5e+02;
 Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
 Qy 1421 CAGTCGTTCTATGC 1434
 Db 1 CAGUGGUUCUCGC 14
 RESULT 400
 AAT54303
 ID AAT54303 standard; RNA; 15 BP.
 XX
 XX AAT54303;
 XX
 XX 25-MAR-2003 (revised)
 DT 24-MAR-1997 (first entry)
 XX
 XX Human IL-5 hammerhead ribozyme target sequence (nt. position 581).
 DE Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
 KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
 KW intercellular adhesion molecule; rel A; tumour necrosis factor;
 KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
 KW translocation; chronic myelogenous leukaemia; CML; cancer;
 KW Philadelphia chromosome; inflammation; autoimmune disease;
 KW atherosclerosis; myocardial infarction; stroke; restenosis;
 KW transplant rejection; rheumatoid arthritis; psoriasis;
 KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
 KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
 KW ss.
 XX
 XX Homo sapiens.
 OS
 XX W09523225-A2.
 PN
 XX 31-AUG-1995.
 PD
 XX 23-FEB-1995; 95WO-IB000156.
 PF
 XX 23-FEB-1994; 94US-00201109.
 PR 29-MAR-1994; 94US-00218934.
 PR 04-APR-1994; 94US-00222795.
 PR 07-APR-1994; 94US-00224483.
 PR 15-APR-1994; 94US-00227958.
 PR 15-APR-1994; 94US-00228041.
 PR 18-MAY-1994; 94US-00245736.
 PR 06-JUL-1994; 94US-00271280.
 PR 15-AUG-1994; 94US-00291932.
 PR 16-AUG-1994; 94US-00291433.
 PR 17-AUG-1994; 94US-00292620.
 PR 19-AUG-1994; 94US-00293520.
 PR 02-SEP-1994; 94US-00300000.
 PR 08-SEP-1994; 94US-00303039.
 PR 23-SEP-1994; 94US-00311486.
 PR 23-SEP-1994; 94US-00311749.
 PR 28-SEP-1994; 94US-00314397.
 PR 03-OCT-1994; 94US-00316771.
 PR 07-OCT-1994; 94US-00319492.
 PR 11-OCT-1994; 94US-00321993.
 PR 10-NOV-1994; 94US-00334847.
 PR 28-NOV-1994; 94US-00345516.
 PR 16-DEC-1994; 94US-00357577.
 PR 23-DEC-1994; 94US-00363233.
 PR 30-JAN-1995; 95US-00380734.
 XX
 XX (RIBO-) RIBOZYME PHARM INC.
 XX Stinchcomb DT, Chowrira B, Drenzo A, Draper KG, Dudycz LW;
 PI

PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
 PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
 PI Tracz D, Usman N, Wincott FE, Woolf T;
 XX WPI; 1995-351090/45.
 XX
 PT Ribozymes having modified bases and methods for producing them - for use
 PT in inhibiting disease related genes.
 XX
 PS Claim 2; Page 215; 407pp; English.
 XX
 CC The present sequence represents a preferred target sequence for an
 CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves interleukin-5 (IL-
 CC 5) mRNA at the nucleotide base position indicated in the DE line. Regions
 CC of the mRNA that do not form secondary folding structures and that
 CC contain potential hammerhead and hairpin ribozyme cleavage sites were
 CC identified by computer analysis. Ribozymes directed against these mRNA
 CC sequences were designed and synthesised with modifications that improve
 CC their nuclease resistance. The ribozymes cleave the IL-5 target sequences
 CC and thereby inhibit IL-5 expression, making them useful for treating
 CC chronic asthma, e.g. by inhibiting the synthesis of IL-5 in lymphocytes
 CC and preventing the recruitment and activation of eosinophils. The
 CC ribozymes can also be used to treat eosinophilia (related to parasitic
 CC infection or with pulmonary infiltration) and L-tryptophan-associated
 CC eosinophilia-myalgia syndrome. (Updated on 25-MAR-2003 to correct PI
 CC field.)
 XX
 SQ Sequence 15 BP; 6 A; 2 C; 2 G; 0 T; 5 U; 0 Other;
 XX
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 57.1%; Pred. No. 3.5e+02;
 Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
 XX
 QY 1358 AATATTCACGCAT 1371
 Db |||:::|||||
 1 AAUAUUCAGGCAU 14
 XX
 RESULT 401
 AAT52438
 ID AAT52438 standard; RNA; 15 BP.
 XX
 AC AAT52438;
 XX
 DT 25-MAR-2003 (revised)
 DT 09-APR-1997 (first entry)
 XX
 DE Mouse ICAM hammerhead ribozyme target sequence (nt. position 2291).
 XX
 KW Enzymatic nucleic acid; ribozyme; trans cleavage; inhibition;
 KW gene expression; downregulation; interleukin-5; IL-5; ICAM-1;
 KW intercellular adhesion molecule; rel A; tumour necrosis factor;
 KW TNF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene;
 KW translocation; chronic myelogenous leukaemia; CML; cancer;
 KW Philadelphia chromosome; inflammation; autoimmune disease;
 KW atherosclerosis; myocardial infarction; stroke; restenosis;
 KW transplant rejection; rheumatoid arthritis; psoriasis;
 KW myocardial ischaemia; Kawasaki disease; septic shock; HIV;
 KW human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
 KW ss.
 XX
 OS Mus musculus.
 XX
 PN WO9523225-A2.
 XX
 XX 31-AUG-1995.
 PD
 XX
 PF 23-FEB-1995; 95WO-IB000156.
 XX
 PR 23-FEB-1994; 94US-00201109.
 PR 29-MAR-1994; 94US-00218934.
 PR 04-APR-1994; 94US-00227795.
 PR 07-APR-1994; 94US-00224483.

PR 15-APR-1994; 94US-00227958.
 PR 15-APR-1994; 94US-00228041.
 PR 18-MAY-1994; 94US-00245736.
 PR 06-JUL-1994; 94US-00271280.
 PR 15-AUG-1994; 94US-00291932.
 PR 16-AUG-1994; 94US-00291433.
 PR 17-AUG-1994; 94US-00292620.
 PR 19-AUG-1994; 94US-00293520.
 PR 02-SEP-1994; 94US-00300000.
 PR 08-SEP-1994; 94US-00303039.
 PR 23-SEP-1994; 94US-00311486.
 PR 23-SEP-1994; 94US-00311749.
 PR 28-SEP-1994; 94US-00314397.
 PR 03-OCT-1994; 94US-00316771.
 PR 07-OCT-1994; 94US-00319492.
 PR 11-OCT-1994; 94US-00321993.
 PR 04-NOV-1994; 94US-00334847.
 PR 10-NOV-1994; 94US-00337608.
 PR 28-NOV-1994; 94US-00345516.
 PR 16-DEC-1994; 94US-00357577.
 PR 23-DEC-1994; 94US-00363233.
 PR 30-JAN-1995; 95US-00380734.
 XX
 PA (RIBO-) RIBOZYME PHARM INC.
 XX
 PI Stinchcomb DT, Chowira B, Drenzo A, Draper KG, Dudycz LW;
 PI Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
 PI Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
 PI Tracz D, Usman N, Wincott FE, Woolf T;
 XX WPI; 1995-351090/45.
 XX
 DR Ribozymes having modified bases and methods for producing them - for use
 PT in inhibiting disease related genes.
 XX
 PS Claim 2; Page 179; 407pp; English.
 XX
 CC The present sequence represents a preferred target sequence for an
 CC enzymatic nucleic acid (i.e. a ribozyme) which cleaves ICAM-1 mRNA at the
 CC nucleotide base position indicated in the DE line. Regions of the mRNA
 CC that do not form secondary folding structures and that contain potential
 CC hammerhead and hairpin ribozyme cleavage sites were identified by
 CC computer analysis. Ribozymes directed against these mRNA sequences were
 CC designed and synthesised with modifications that improve their nuclease
 CC resistance. The ribozymes cleave the ICAM-1 target sequences and thereby
 CC inhibit ICAM-1 expression, making them useful for reducing transplant
 CC rejection and alleviating symptoms in patients with rheumatoid arthritis,
 CC asthma and other inflammatory disorders. (Updated on 25-MAR-2003 to
 CC correct PI field.)
 XX
 SQ Sequence 15 BP; 1 A; 4 C; 4 G; 0 T; 6 U; 0 Other;
 XX
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 50.0%; Pred. No. 3.5e+02;
 Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
 QY 1421 CAGTCGTCATGC 1434
 Db |||:::|||||
 1 CAGUGUUCUCUGC 14
 XX
 RESULT 402
 AAV60860
 ID AAV60860 standard; DNA; 15 BP.
 XX
 AC AAV60860;
 XX
 DT 25-JAN-1999 (first entry)
 XX
 DE MAB MCP603 Vh CDR1 coding sequence.
 XX
 KW Mutation; mutagenesis; antigen-binding region; monoclonal antibody;
 KW catalytic site; serine protease; complementarity determining region;

PT hepatitis C infection.
 XX Claim 1; Page 73; 123pp; English.
 PS
 CC The present sequence represents the preferred target sequence of an
 CC enzymatic nucleic acid, especially a hammerhead ribozyme, which cleaves
 CC the Hepatitis C virus (HCV) RNA sequence at the base position given in
 CC the descriptor line. The HCV sequence was screened for optimal ribozyme
 CC target sites using a computer folding algorithm and regions of the mRNA
 CC which did not form secondary folding structures and contained potential
 CC ribozyme cleavage sites were identified. Ribozymes were synthesised to
 CC target these sites and their activities optimised by either varying the
 CC length of the binding arms or by modification to prevent degradation by
 CC nucleases. The ribozymes of the invention inhibit gene expression and/or
 CC viral replication, and are used to treat diseases associated with
 CC Hepatitis C virus (HCV) infection, e.g. cirrhosis, liver failure and
 CC hepatocellular carcinoma. The ribozymes may be used in combination with
 CC interferon to treat HCV infection, other infectious diseases, autoimmune
 CC diseases, and cancer
 XX
 SQ Sequence 15 BP; 0 A; 5 C; 2 G; 0 T; 8 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1346 CAGGGGAGAGAAAA 1359
 Db 14 CAGGAGAGAGAAAA 1
 ||||| ||||| |||||
 RESULT 405
 AAF50405
 ID AAF50405 standard; DNA; 15 BP.
 XX
 AC AAF50405;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE IGF-1 oligonucleotide #1365.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytosolic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 OS Homo sapiens.
 XX
 FN WO200078341-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 21-JUN-2000; 2000WO-AU000693.
 XX
 PR 21-JUN-1999; 99US-0140345P.
 XX
 PA (MURD-) MURDOCH CHILDRENS RES INST.
 XX
 PI Wright CJ, Werther GA, Edmondson SR;
 XX
 DR WPI; 2001-041421/05.
 XX
 PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 PS Example 8; Page 69; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factors. The present sequence is an
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX
 SQ Sequence 15 BP; 7 A; 3 C; 4 G; 1 T; 0 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1391 ATCAAGCAGGTAA 1404
 Db 2 ATCAAGCAGGTAA 15
 ||||| ||||| |||||
 RESULT 406
 AAF46530
 ID AAF46530 standard; DNA; 15 BP.
 XX
 AC AAF46530;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE IGFBP2 oligonucleotide #1369.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytosolic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 OS Homo sapiens.
 XX
 FN WO200078341-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 21-JUN-2000; 2000WO-AU000693.
 XX
 PR 21-JUN-1999; 99US-0140345P.
 XX
 PA (MURD-) MURDOCH CHILDRENS RES INST.
 XX
 PI Wright CJ, Werther GA, Edmondson SR;
 XX
 DR WPI; 2001-041421/05.
 XX
 PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 PS Example 6; Page 43; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of

CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the retina,
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 CC
 SQ Sequence 15 BP; 6 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1350 GGAAGAAATATT 1363
 Db 1 GGAAGAGAAATTT 14
 RESULT 407
 AAF50409
 ID AAF50409 standard; DNA; 15 BP.
 XX AC AAF50409;
 XX DT 30-MAR-2001 (first entry)
 XX DE IGF-I oligonucleotide #1369.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200078341-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 21-JUN-2000; 2000WO-AU000693.
 XX
 PR 21-JUN-1999; 99US-0140345P.
 XX
 PA (MURD-) MURDOCH CHILDRENS RES INST.
 XX
 PI Wright CJ, Werther GA, Edmondson SR;
 XX
 DR WPI; 2001-041421/05.
 XX
 PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 PS Example 8; Page 69; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161).

CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 CC
 SQ Sequence 15 BP; 8 A; 1 C; 5 G; 1 T; 0 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1394 AAAGGAGTAAAT 1407
 Db 1 AAAGCAGGAAAT 14
 RESULT 408
 AAF48106/C
 ID AAF48106 standard; DNA; 15 BP.
 XX AC AAF48106;
 XX DT 30-MAR-2001 (first entry)
 XX DE IGFBP3 oligonucleotide #1526.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200078341-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 21-JUN-2000; 2000WO-AU000693.
 XX
 PR 21-JUN-1999; 99US-0140345P.
 XX
 PA (MURD-) MURDOCH CHILDRENS RES INST.
 XX
 PI Wright CJ, Werther GA, Edmondson SR;
 XX
 DR WPI; 2001-041421/05.
 XX
 PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 PS Example 7; Page 54; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, pityriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,

CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX
 SQ Sequence 15 BP; 3 A; 2 C; 2 G; 8 T; 0 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1432 TGCAGACATATACA 1445
 DB 14 TGAAGACATAAACA 1

RESULT 409
 AAF48104/C
 ID AAF48104 standard; DNA; 15 BP.
 XX
 AC AAF48104;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE IGFBP3 oligonucleotide #1524.
 XX
 KW Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic;
 KW cytosolic; dermatological; cardiant; virucide; ophthalmological; keloid;
 KW skin disorder; insulin-like Growth Factor 1 receptor; IGF-1; ptyriasis;
 KW IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
 KW growth factor mediated cell proliferation; ichthyosis; serborrhea; ruba;
 KW keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease;
 KW hyperneovascular condition; hyperplasia; kidney disease;
 KW neovascular condition of the retina; ss.
 XX
 OS Homo sapiens.
 PN WO200078341-A1.
 XX
 PD 28-DEC-2000.
 XX
 PF 21-JUN-2000; 2000WO-AU000693.
 XX
 PR 21-JUN-1999; 99US-0140345P.
 XX
 PA (MURD-) MURDOCH CHILDRENS RES INST.
 XX
 PI Wright CJ, Werther GA, Edmondson SR;
 XX
 DR WPI; 2001-041421/05.
 XX
 PT Ameliorating the effects of a disorder, e.g. psoriasis, by administering
 PT UV (ultra-violet) treatment (optional) and an antisense nucleic acid that
 PT inhibits or reduces growth factor mediated cell proliferation and/or
 PT inflammation.
 XX
 PS Example 7; Page 54; 201pp; English.
 XX
 CC The present invention relates to a method for ameliorating the effects of
 CC skin disorders. The method comprises contacting the skin with an
 CC antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1
 CC receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of
 CC inhibiting or reducing growth factor mediated cell proliferation,
 CC inflammation and/or other disorders. The present sequence is an
 CC oligonucleotide which can be used to design the antisense
 CC oligonucleotides of the present invention (see AAF45151 and AAF45153-
 CC F45161). The method is useful for ameliorating the effects of psoriasis,
 CC ichthyosis, ptyriasis, ruba, pilaris, serborrhea, keloids, keratosis,
 CC neoplasias, scleroderma, warts, benign growths, cancers of the skin, a
 CC hyperneovascular condition such as a neovascular condition of the retina,
 CC brain or skin, growth factor-mediated malignancies, other sclerotic
 CC disease, kidney disease, hyperproliferation of the inside of blood
 CC vessels or any other hyperplasia
 XX

SQ Sequence 15 BP; 3 A; 2 C; 2 G; 8 T; 0 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1433 GCAGACATATACAT 1446
 DB 15 GAAGACATAAACAT 2

RESULT 410
 ABX03919/C
 ID ABX03919 standard; DNA; 15 BP.
 XX
 AC ABX03919;
 XX
 DT 09-JAN-2003 (first entry)
 XX
 DE C. sputigena 16S rRNA fragment.
 XX
 KW Detection; probe; diagnosis; oral disease; parodontitis; caries; therapy;
 KW polymorphism; virulence factor; antibiotic resistance gene; prognosis;
 KW oral infection; detection; pathogen; coronary heart disease;
 KW diabetic symptom; ss.
 XX
 OS Capnocytophaga sputigena.
 XX
 PN DE20110013-U1.
 XX
 PD 18-OCT-2001.
 XX
 PF 13-MAR-2001; 2001DE-02010013.
 XX
 PR 13-MAR-2001; 2001DE-01012348.
 PR 13-MAR-2001; 2001DE-02010013.
 XX
 PA (ROET/) ROETGER A.
 XX
 DR WPI; 2001-657777/76.
 XX
 PT Oligonucleotide array, useful for diagnosing oral diseases, particularly
 PT parodontitis, carries human or microbial reference sequences.
 XX
 PS Claim 8; Page 19; 58pp; German.
 XX
 CC This invention describes a novel nucleotide carrier with probes used for
 CC diagnosis of oral diseases, particularly parodontitis, but also caries,
 CC especially to identify genetic predisposition (as indicated by
 CC polymorphisms) to disease and to identify causative microorganisms or
 CC their associated virulence factors and antibiotic resistance genes, e.g.
 CC for selection of therapy and for prognosis. They are also useful for
 CC research into oral infections. The carriers allow simultaneous detection
 CC of both host and pathogen parameters, providing quickly and simply an
 CC individual's parodontitis profile, including detection of pathogens that
 CC are associated with increased risk of coronary heart diseases and/or
 CC aggravation of diabetic symptoms, and of opportunistic pathogens.
 CC ABX03870-ABX04044 represent DNA fragments used to illustrate the method
 CC of the invention
 XX
 SQ Sequence 15 BP; 6 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1404 AAATGTTAATGAT 1417
 DB 15 AAATGTTAGTAAT 2

RESULT 411
 ABL95788


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XX De Smet K, Stuyver L;
XX WPI; 2002-590680/63.
XX
XX Detecting mutations associated with anti-HIV drug resistance comprises
XX detecting at least one of the mutations in the HIV reverse transcriptase
XX gene by using probes optimized to function together in a reverse-
XX hybridization assay.
XX
XX Claim 2; Page 26; 117pp; English.
XX
XX The present invention describes a method for detecting mutations
XX associated with anti-HIV drug resistance in a patient by detecting at
XX least one of the mutations K103N/R, V106A/I/L, Y181C/I, M184V/I, Y188L,
XX G190A/S/R, T215Y/F/D/S/A and/or Q151M/L in the reverse transcriptase (RT)
XX of HIV strains in a biological sample using a specific set of probes
XX optimised to function together in a reverse-hybridisation assay. The
XX method and the nucleic acid sequences used in the method are useful for
XX determining viral mutations and/or polymorphisms in the HIV RT gene
XX associated with resistance. The probes are useful for the genetic
XX detection, preferably in vitro detection of the mutations K103N/R,
XX V106A/I/L, Y181C/I, Q151M/L, M184V/I, Y188L, G190A/S/R and/or
XX T215Y/F/D/S/A in the RT of HIV strains in a biological sample, where the
XX mutation is associated with anti-HIV drug resistance. The method provides
XX a rapid, reliable and precise assay or determination and monitoring of
XX antiviral drug resistance or mutations associated with drug resistance of
XX viruses containing RT genes. ABZ33759 to ABZ34642 represent HIV RT
XX sequences and probes which are used in the exemplification of the present
XX invention
XX
XX Sequence 15 BP; 3 A; 1 C; 7 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.3%; Score 10.8; DB 1; Length 15;
XX Best Local Similarity 85.7%; Pred. No. 3.5e+02;
XX Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1442 TACATGGAGATGG 1455
XX ||| ||| ||| ||| |||
XX Db 2 TACGTGGATGATGG 15
XX
XX RESULT 414
XX ABK32556
XX ID ABK32556 standard; DNA; 15 BP.
XX
XX AC ABK32556;
XX
XX DT 23-APR-2002 (first entry)
XX
XX DE Human pancreatic cancer SAGE tag #108.
XX
XX KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
XX serial analysis of gene expression; diagnostic; prognostic; probe;
XX cancer marker; ss.
XX
XX OS Homo sapiens.
XX
XX PI US6333152-B1.
XX
XX PN 25-DEC-2001.
XX
XX PD 20-MAY-1998; 98US-00081646.
XX
XX PF 20-MAY-1998; 98US-00081646.
XX
XX PR 20-MAY-1998; 98US-00081646.
XX
XX PS (UYJO ) UNIV JOHNS HOPKINS.
XX
XX PA Vogelstein B, Kinzler KW, Zhang L, Zhou W;
XX
XX PI WPI; 2002-153821/20.
XX
XX DR New human nucleic acid containing specific SAGE tags, useful as
XX
XX diagnostic markers for cancer, also derived probes.
XX
XX PS Disclosure; Col 75; 161pp; English.
XX
XX CC The invention relates to an isolated, purified human nucleic acid (I)
XX that has the same sequence as a mRNA found in humans and is a SAGE
XX (serial analysis of gene expression) tag comprising a single stranded
XX probe containing at least 10 consecutive nucleotides. SAGE tags, are
XX diagnostic and prognostic markers of cancer, especially of the colon and
XX pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer
XX SAGE tags of the invention
XX
XX SQ Sequence 15 BP; 10 A; 1 C; 3 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 8.3%; Score 10.8; DB 1; Length 15;
XX Best Local Similarity 85.7%; Pred. No. 3.5e+02;
XX Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX QY 1346 CAGGGGAGAGAAAA 1359
XX ||| ||| ||| ||| |||
XX Db 1 CATGGGAAAAAAA 14
XX
XX RESULT 415
XX ABX00933/c
XX ID ABX00933 standard; RNA; 15 BP.
XX
XX AC ABX00933;
XX
XX DT 23-DEC-2002 (first entry)
XX
XX DE Hepatitis C virus substrate #715 for HCV hammerhead ribozyme #715.
XX
XX KW Enzymatic nucleic acid; RNA cleavage; Hepatitis C virus infection;
XX HCV ribozyme; HCV expression; HCV replication; cirrhosis; virucide;
XX liver failure; hepatocellular carcinoma; HCV infection; drug therapy;
XX type I interferon; interferon alpha; interferon beta; cytostatic;
XX interferon gamma; consensus interferon; hepatotropic; antiinflammatory;
XX substrate; hammerhead ribozyme; HH ribozyme; ss.
XX
XX OS Hepatitis C virus.
XX
XX PN US2002082225-A1.
XX
XX PD 27-JUN-2002.
XX
XX PF 23-MAR-1999; 99US-00274553.
XX
XX PR 23-MAR-1999; 99US-00274553.
XX
XX PA (BLAT/) BLATT L.
XX (MCSW/) MCSWIGGEN J A.
XX (ROBE/) ROBERTS B.
XX (PAVC/) PAVCO P A.
XX (MACE/) MACEJACK D.
XX
XX PI Blatt L, Mcswiggen JA, Roberts B, Pavco PA, Macejack D;
XX
XX PN WPI; 2002-617759/66.
XX
XX PT New ribozymes targeting RNA derived from hepatitis C virus inhibit viral
XX replication and are useful to treat hepatitis C virus infections and
XX cirrhosis, liver failure or hepatocellular carcinoma.
XX
XX PS Claim 1; Page 42; 80pp; English.
XX
XX CC The present invention relates to enzymatic nucleic acids which
XX specifically cleave RNA derived from Hepatitis C virus (HCV). The
XX enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin
XX (HP) motif where the binding arms comprise sequences complementary to one
XX of the substrate sequences defined in the specification. The HCV
XX ribozymes are useful for modulating the expression and/or replication of
XX HCV. They can be used to treat cirrhosis, liver failure and/or

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CC hepatocellular carcinoma. The HCV ribozymes are also useful for treating
 CC a condition associated with HCV infection in conjunction with one or more
 CC other drug therapies, particularly type 1 interferon, especially
 CC interferon alpha, beta or gamma or consensus interferon. The present
 CC sequence represents a substrate for a HCV hammerhead (HH) ribozyme. Note:
 CC Some of the sequence data for this patent did not form part of the
 CC printed specification. The complete sequence data for this patent was
 CC obtained in electronic format directly from the USPTO web site at
 CC seqdata.uspto.gov/psipdIDEntry.html

XX SQ Sequence 15 BP; 0 A; 5 C; 2 G; 0 T; 8 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1346 CAGGGAGAGAAAA 1359
 Db 14 CAGGAGAGAGAAAA 1

RESULT 416

ADD54915
 ID ADD54915 standard; DNA; 15 BP.

XX AC ADD54915;

XX DT 15-JAN-2004 (first entry)

XX DE Heavy chain variable region CDR1 DNA #1.

XX KW mutagenesis; protein mutagenesis; screening; CDR;
 KW complementarity determining region; variable region; ds; gene.

XX OS Unidentified.

XX FN US2003194807-A1.

XX PD 16-OCT-2003.

XX PF 20-FEB-2003; 2003US-00371404.

XX PR 02-NOV-1992; 92US-00930600.

XX PR 30-MAY-1995; 95US-00453623.

XX PA (CREA/) CREA R.

XX FI Crea R;

XX WPI; 2003-844460/78.

XX PT Mutagenesis of a protein comprises introducing a predetermined amino acid
 PT into each set of selected sequence positions in a predefined region of
 PT the protein to produce a protein library comprising mutant proteins.

XX PS Disclosure; Fig 3a; 44pp; English.

XX CC The invention relates to a method of mutagenesis of a protein. The
 CC methods are useful for generating libraries of mutant proteins that are
 CC of a practical size for screening, for studying the role of amino acids
 CC in protein structure and function and for developing new or improved
 CC proteins and polypeptides such as enzymes, antibodies their binding
 CC fragments or analogues. The present sequence is used in the
 CC exemplification of the invention.

XX SQ Sequence 15 BP; 4 A; 3 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 15;
 Best Local Similarity 85.7%; Pred. No. 3.5e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1436 GACATATACATGGA 1449
 ||| ||| ||| ||| |||

Db 1 GACTTCTACATGGA 14

RESULT 417

ABI94164/C
 ID ABI94164 standard; DNA; 20 BP.

XX AC ABI94164;

XX DT 16-FEB-2002 (first entry)

XX DE Capture oligonucleotide Zip ID#1251 oligo #9.

XX KW Human; K-ras; PCR primer; probe; capture probe; mutation detection;
 KW ligation detection reaction; LDR; p53; BRCA1; BRCA2; infectious disease;
 KW infection; 21 hydroxylase deficiency; Turner Syndrome; obesity; cancer;
 KW oncogene; tumour suppressor; human papillomavirus; forensic;
 KW environmental monitoring; food industry; feed industry; ss.

XX OS Synthetic.

XX FN WO200179548-A2.

XX PD 25-OCT-2001.

XX PF 04-APR-2001; 2001WO-US010958.

XX PR 14-APR-2000; 2000US-0197271P.

XX PA (CORR) CORNELL RES FOUND INC.

XX PI Barany F, Zirvi M, Gerry NP, Favis R, Kliman R;

XX WPI; 2002-034366/04.

XX PT Designing capture oligonucleotide probes for use on a support to which
 XX complementary oligonucleotides hybridize with little mismatch.

XX PS Example 5; Fig 29; 300pp; English.

XX CC The present invention describes a method (M1) for designing capture
 CC oligonucleotide probes (I) for use on a support to which complementary
 CC oligonucleotide probes (II) will hybridize with little mismatch, where
 CC (I) have melting temperatures within a narrow range. The method is useful
 CC for detecting infectious diseases caused by bacterial infectious agents
 CC e.g. Salmonella, Listeria monocytogenes and Haemophilus influenza, fungal
 CC infectious agents e.g. Cryptococcus neoformans, Candida albicans and
 CC Aspergillus fumigatus, viruses e.g. T-cell lymphocytotropic virus,
 CC Epstein-Barr virus and polio virus, and parasitic infectious agents
 CC selected from Onchocerca volvulus, Entamoeba histolytica and Dracunculus
 CC medineis. The method is also useful for detecting genetic diseases such
 CC as 21 hydroxylase deficiency, Turner Syndrome and obesity defects.
 CC Detecting cancer involving oncogenes, tumour suppressor genes, or genes
 CC involved in DNA amplification, replication, recombination or repair, the
 CC cancer is specifically associated with a gene selected from BRCA1 gene,
 CC p53 gene, human papillomavirus types 16 and 18 and liver cancers. The
 CC method is also used for environmental monitoring, forensics and the food
 CC and feed industry, detecting comprises scanning (using e.g. a scanning
 CC electron microscope and infrared microscope) the support at the
 CC particular sites and identifying if ligation of the oligonucleotide probe
 CC sets occurred and correlating (using a computer) identified ligation to a
 CC presence or absence of the target nucleotide sequences. ABI82074 to
 CC ABI97546 represent oligonucleotide sequences used in the exemplification
 CC of the present invention

XX SQ Sequence 20 BP; 6 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 8.3%; Score 10.8; DB 1; Length 20;
 Best Local Similarity 85.7%; Pred. No. 4.8e+02;
 Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1374 CGAGCGATCGCTT 1387
 ||| ||| ||| ||| ||| |||


```

XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 46138; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 1 Other;
XX
XX Query Match 8.2%; Score 10.6; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 3.2e+02;
XX Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1354 GAAAAATATTC 1364
XX Db :|||||
XX 13 RAAAAATATTC 3
XX
XX RESULT 422
XX ABC46120/c
XX ID ABC46120 standard; DNA; 13 BP.
XX AC ABC46120;
XX XX
XX DT 21-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide SEQ ID NO 46137 for detecting SNP TSC0013366.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 46137; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 13 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 1 Other;
XX
XX Query Match 8.2%; Score 10.6; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 3.2e+02;
XX Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1354 GAAAAATATTC 1364
XX Db :|||||
XX 1 RAAAAATATTC 11
XX
XX RESULT 421
XX ABC46120/c
XX ID ABC46120 standard; DNA; 13 BP.
XX AC ABC46120;
XX XX
XX DT 21-FEB-2002 (first entry)
XX XX
XX DE Oligonucleotide SEQ ID NO 46137 for detecting SNP TSC0013366.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 46137; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX XX

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SQ Sequence 13 BP; 6 A; 1 C; 1 G; 4 T; 0 U; 1 Other;
Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
   :|||||
Db 1 RAAAAATATTC 11

RESULT 423
ABC79606/c
ID ABC79606 standard; DNA; 13 BP.
AC ABC79606;
XX
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79623 for detecting SNP TSC0020222.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79623 for detecting SNP TSC0020222.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 79623; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 6 T; 0 U; 1 Other;
Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAAATATTC 1366
   :|||||
Db 1 RAAAAATATTC 11

RESULT 424
ABC79607/c
ID ABC79607 standard; DNA; 13 BP.
AC ABC79607;
XX
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 79624 for detecting SNP TSC0013366.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 79624; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 6 T; 0 U; 1 Other;
Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 3.2e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAAATATTC 1366
   :|||||
Db 1 RAAAAATATTC 11

RESULT 425
ABC46124/c
ID ABC46124 standard; DNA; 13 BP.
AC ABC46124;
XX
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 46141 for detecting SNP TSC0013366.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.

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XX PN WO200177384-A2.
 XX XX 18-OCT-2001.
 XX XX 06-APR-2001; 2001WO-1B000713.
 XX XX 07-APR-2000; 2000DE-01019173.
 XX XX (EPIC-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX XX WPI; 2001-657177/75.
 XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX XX Claim 1; SEQ ID NO 46141; 29pp + Sequence Listing; German.
 XX XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX XX
 SQ Sequence 13 BP; 4 A; 1 C; 1 G; 6 T; 0 U; 1 Other;
 Query Match 8.2%; Score 10.6; DB 1; Length 13;
 Best Local Similarity 90.9%; Pred. No. 3.2e+02;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1354 GAAATATATTC 1364
 Db 13 RAAATATATTC 3
 RESULT 426
 AAD43620
 ID AAD43620 standard; DNA; 15 BP.
 AC AAD43620;
 XX DT 14-NOV-2002 (first entry)
 XX XX Human interleukin 15 (IL15) gene polymorphism detecting ASO probe #6.
 XX XX Human; interleukin 15; IL15; haplotype; polymorphic site; PS;
 KW drug screening; infection; human immunodeficiency virus; leukaemia;
 KW transgenic animal; anti-inflammatory; cytostatic; antibacterial;
 KW gene therapy; probe; ss.
 OS Homo sapiens.
 XX WO200263044-A2.
 FN 15-AUG-2002.
 PD 15-AUG-2001; 2001WO-US025470.
 XX 08-FEB-2001; 2001WO-US004130.
 XX (GENA-) GENAISSANCE PHARM INC.
 PA Anastasio AE, Chew A, Denton RR, Nandabalan K, Stephens JC;
 PI

PI Tirrell C;
 XX WPI; 2002-636598/68.
 DR New genetic variants comprising haplotypes of the human interleukin 15
 XX (IL15) gene, useful for treating infections, human immunodeficiency virus
 PT or T cell leukemia, or for screening drugs for treating these diseases.
 XX Claim 16; Page 14; 84pp; English.
 XX The invention relates to an isolated polynucleotide, which comprises
 CC polymorphisms in the human interleukin 15 (IL15) gene. The polynucleotide
 CC comprises genes and haplotypes of the IL15 gene. The polynucleotide
 CC comprises polymorphic sites referred to as P91-13 to designate the order
 CC in which they are located in the gene. The polynucleotide comprising
 CC polymorphisms in the IL15 gene is useful in screening candidate drugs to
 CC treat diseases associated to IL15 activity, e.g. infections, human
 CC immunodeficiency virus or T cell leukaemia. The IL15 isoenzymes are
 CC especially useful for treating these diseases. The methods and haplotypes
 CC are useful in improving the efficiency of drug discovery and development
 CC processes, or for designing clinical trials of candidate drugs for
 CC treating the specific condition or disease. The transgenic animals are
 CC useful for studying expression of the IL15 isoenzymes in vivo, for in vivo
 CC screening and testing of drugs targeted against IL15 protein, and for
 CC testing the efficacy of the therapeutic agents. The present sequence is
 CC human IL15 gene polymorphism detecting ASO (allele-specific
 CC oligonucleotide) probe
 XX Sequence 15 BP; 10 A; 0 C; 2 G; 2 T; 0 U; 1 Other;
 SQ Query Match 8.2%; Score 10.6; DB 1; Length 15;
 Best Local Similarity 90.9%; Pred. No. 3.8e+02;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1351 GAAGAAAATA 1361
 Db 5 GAAGAAAATA 15
 RESULT 427
 AAS99209/C
 ID AAS99209 standard; DNA; 15 BP.
 XX AC AAS99209;
 XX DT 12-MAR-2002 (first entry)
 XX XX Human NAT1 gene allele-specific oligonucleotide sequencing primer #1.
 XX XX Human; N-acetyltransferase 1; arylamine N-acetyltransferase; NAT1; ss;
 KW haplotyping; cytostatic; haplotype pair; single nucleotide polymorphism;
 KW genotyping; gene therapy; drug screening; lung cancer; sequencing primer;
 KW PCR primer; probe.
 OS Homo sapiens.
 XX WO200179551-A1.
 FN 25-OCT-2001.
 PD 11-APR-2001; 2001WO-US011852.
 XX 12-APR-2000; 2000US-0196773P.
 XX (GENA-) GENAISSANCE PHARM INC.
 PA (SANC/) SANCHIS A.
 XX Bentivegna SC, Choi JY, Koshy B;
 XX WPI; 2002-075073/10.
 XX New polynucleotide, useful in developing diagnostic tests and therapeutic
 PT treatments for lung cancer, comprises single nucleotide polymorphisms in

PT human N-acetyltransferase 1 (arylamine N-acetyltransferase), NAT1 gene.
 XX
 PS Claim 16; Page 13; 55pp; English.
 XX
 CC The invention relates to single nucleotide polymorphisms in the gene
 CC encoding the human N-acetyltransferase 1 (arylamine N-acetyltransferase)
 CC or NAT1 polypeptide. A method for haplotyping the NAT1 gene in an
 CC individual comprises identifying the nucleotide at one or more
 CC polymorphic sites and determining whether one of the copies of the gene
 CC is defined by one of the NAT1 haplotypes given in the specification or
 CC whether both copies are defined by a haplotype pair. This method is
 CC useful in genotyping, whereby all possible haplotype pairs can be
 CC assigned to specific genotypes. An association between a trait and a
 CC haplotype or haplotype pair of the NAT1 gene can be identified by
 CC comparing the frequency of the haplotype or haplotype pair in a
 CC population exhibiting the trait with the frequency of the haplotype or
 CC haplotype pair in a reference population, where a higher haplotype
 CC frequency in the trait population indicates the trait is associated with
 CC the haplotype or haplotype pair. NAT1 and its corresponding DNA are used
 CC for studying the expression and function of NAT1 for use in screening
 CC for candidate drugs to treat diseases related to NAT1 activity, such as
 CC lung cancer. The sequences are also useful for studying the effect of
 CC variation on the biological activity of NAT1 as well as on the binding
 CC affinity of candidate drugs targeting NAT1. Sequences AAS9204-AAS99228
 CC represent allele-specific oligonucleotide probes, sequencing primers and
 CC PCR primers used to detect NAT1 gene polymorphisms
 XX
 SQ Sequence 15 BP; 6 A; 3 C; 3 G; 2 T; 0 U; 1 Other;
 Query Match 8.2%; Score 10.6; DB 1; Length 15;
 Best Local Similarity 90.9%; Pred. No. 3.8e+02;
 Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1382 COTCTCTGAT 1392
 Db :|||||||
 15 CRTCTCTGAT 5
 RESULT 428
 AAX19088
 ID AAX19088 standard; DNA; 12 BP.
 AC AAX19088;
 DT 13-MAY-1999 (first entry)
 XX
 DE Oligonucleotide 5 (451) donor.
 XX
 KW Human; peroxisome proliferator activated receptor gamma; PPAR-gamma;
 KW regulatory sequence; promoter; obesity; anorexia; lipoma; cachexia;
 KW lipodystrophy; liposarcoma; human immunodeficiency virus; HIV;
 KW insulin resistance; non-insulin-dependent diabetes mellitus;
 KW polycystic ovary syndrome; gastrointestinal tract; Crohn's disease;
 KW inflammatory bowel disease; ulcerative colitis; bowel cancer; ss.
 XX
 OS Synthetic.
 XX
 PN WO9905161-A1.
 XX
 PD 04-FEB-1999.
 XX
 PF 24-JUL-1998; 98WO-US015411.
 XX
 PR 25-JUL-1997; 97US-0053692P.
 XX
 XX (LIGA-) LIGAND PHARM INC.
 PA (INSP) INST PASTEUR.
 XX
 XX Briggs MR, Saladin RS, Auwerx J, Fajas L;
 XX WPI; 1999-142844/12.
 XX
 PT Newly isolated nucleic acid comprising a control region of a human

PT peroxisome proliferator activated receptor (PPAR) gamma gene - useful for
 PT identifying modulators that are useful in treating diseases associated
 PT with abnormal levels of human PPAR-gamma gene expression.
 XX
 PS Disclosure; Page 95; 102pp; English.
 XX
 CC The present invention describes an isolated, purified or enriched nucleic
 CC acid comprising a control region of a human peroxisome proliferator
 CC activated receptor gamma (PPAR-gamma) gene. The nucleic acids are useful
 CC for screening for agents capable of modulating the expression of a human
 CC PPAR-gamma gene. These agents (modulators) form pharmaceutical
 CC compositions that are useful for treating diseases associated with
 CC high/low levels of human PPAR-gamma gene expression. The diseases include
 CC obesity, anorexia, cachexia, lipodystrophy, lipomas, liposarcomas,
 CC abnormalities associated with anti-human immunodeficiency virus (HIV)
 CC treatment, insulin resistance, non-insulin-dependent diabetes mellitus
 CC (NIDDM), polycystic ovary syndrome, diseases of the gastrointestinal (GI)
 CC tract, inflammatory bowel disease, Crohn's disease, ulcerative colitis
 CC and bowel cancer. The nucleic acids are useful for studying the role of
 CC the PPAR-gamma gene in various diseases and disorders. The structure of
 CC the PPAR-gamma enables genetic studies of PPAR- gamma mutations in humans,
 CC and evaluation of its role in disorders like insulin resistance, NIDDM,
 CC and diseases associated with altered adipose tissue function, like
 CC obesity and lipodystrophic syndromes. The nucleic acids are also useful
 CC for gene therapy and the production of transgenic animals, which are
 CC useful in screening assays. The control regions of the nucleic acids
 CC enable screening for modulators of the human PPAR-gamma gene, which are
 CC useful in designing drugs for treating disorders or diseases associated
 CC with the level of PPAR-gamma gene expression. The present sequence
 CC represents an oligonucleotide sequence from the present invention
 XX
 SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1397 GGAGGTAAATTT 1408
 Db :|||||||
 1 GGAGGTAAATTT 12
 RESULT 429
 AAX14803/c
 ID AAX14803 standard; DNA; 12 BP.
 AC AAX14803;
 XX
 DT 24-MAR-1999 (first entry)
 DE Triple helix third strand of Hepatitis B virus nucleotides 2258-2269.
 XX
 KW Triplex formation; DNA detection; triple helix; identification; bacteria;
 KW oncogene; virus; ss.
 XX
 OS Synthetic.
 OS Hepatitis B virus.
 XX
 PN US5861244-A.
 XX
 PD 19-JAN-1999.
 XX
 PF 22-DEC-1993; 93US-00173489.
 XX
 PR 29-OCT-1992; 92US-00968436.
 XX
 XX (PROP-) PROFILE DIAGNOSTIC SCI INC.
 PA Hepburn AG, Wang C;
 PI WPI; 1999-130384/11.
 XX
 DR
 XX Assay of genetic sequences based on triplex formation from double

PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX
XX
PS Disclosure; Col 19-20; 168pp; English.
XX
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
XX
SQ Sequence 12 BP; 0 A; 5 C; 1 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1348 GGGGAGAGAAAA 1359
DB 12 GGGGAGAGAAAA 1
RESULT 430
AAH21571
ID AAH21571 standard; DNA; 12 BP.
XX
XX AAH21571;
XX
XX 10-AUG-2001 (first entry)
DE Human hypocretin receptor 2 (HCRTR2) splice donor site SEQ ID NO:33.
XX
XX Human; narcolepsy; hypocretin receptor 2; orexin receptor 2; HCRTR2;
KW diagnosis; PCR primer; ss.
XX
XX Homo sapiens.
XX
XX WO200130991-A2.
XX
XX 03-MAY-2001.
XX
XX 22-AUG-2000; 2000WO-US023021.
XX
XX 25-OCT-1999; 99US-00426290.
XX
XX (DECO-) DECODE GENETICS EHP.
XX
XX Olafsdottir BR, Gulcher J;
XX
XX WPI; 2001-300504/31.
XX
XX Gene for hypocretin (orexin) receptor 2 (HCRTR2) which is associated with
PT narcolepsy, useful in methods of diagnosis of narcolepsy and
PT pharmaceutical compositions for therapy.
PT
XX
XX Example 1; Page 26; 85pp; English.
XX
XX The present invention describes the human hypocretin (orexin) receptor 2
CC (HCRTR2) gene (given in AAH21613), which is associated with narcolepsy.
CC Identification of the HCRTR2 nucleic acid molecule permits the diagnosis
CC of narcolepsy. A method from the present invention is provided for
CC treating narcolepsy by administering to the individual an isolated HCRTR2

CC nucleic acid in a therapeutically effective amount so that the cells
CC produce native HCRTR2 receptor. The diagnosis of narcolepsy has been
CC difficult to differentiate from other conditions such as chronic fatigue
CC syndrome or other sleep disorders but detection of HCRTR2 nucleic acid
CC makes it possible to accurately diagnose narcolepsy. AAH21541 to AAH21612
CC represent primers used in the identification of the narcolepsy gene in an
CC example from the present invention. AAH21613 represents the HCRTR2 gene
CC which encodes the HCRTR2 protein given in AAB98007
XX
XX
SQ Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1395 AAGGAGTAAAA 1406
DB 1 AAGGAGTAAAA 12
RESULT 431
ABH98538/C
ID ABH98538 standard; DNA; 12 BP.
XX
XX ABH98538;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 298531 for detecting SNP TSC0018143.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177394-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 298531; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;

XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 308016; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1450 AGATGGGTGGAT 1461
 Db 12 AGATGGGTGGAT 1
 |||||
 RESULT 435
 ABI40085/C
 ID ABI40085 standard; DNA; 12 BP.
 XX AC ABI40085;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 340058 for detecting SNP TSC0041323.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.
 XX Claim 1; SEQ ID NO 340058; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1349 GGGAGAGAAAAAT 1360
 Db 12 GGGTAGAAAAAT 1
 |||||
 RESULT 436
 ABI15688/C
 ID ABI15688 standard; DNA; 12 BP.
 XX AC ABI15688;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 315661 for detecting SNP TSC0027026.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 315661; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
 XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
 XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410

DB 12 AGGTAAATTTT 1

RESULT 437

ABI80168/c

ID ABI80168 standard; DNA; 12 BP.

XX

AC ABI80168;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide primer SEQ ID NO 380141 for detecting SNP TSC0063658.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is
 designed to detect single-nucleotide polymorphisms and cytosine
 methylation status.

PT

PT

PS Claim 1; SEQ ID NO 380141; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic
 acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 and cytosine methylation status in chemically pretreated genomic DNA. The
 oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 range of diseases including immune system, gastrointestinal, respiratory,
 central nervous system, cardiovascular and metabolic disorders. The
 oligomers are also used for detecting cell type differentiation. ABC00010
 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 represent the oligomers described in the invention. NOTE: The sequence
 data for this patent did not form part of the printed specification, but
 was obtained in electronic format from WIPO at
 ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

XX Query Match 8.0%; Score 10.4; DB 1; Length 12;

XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366

DB 12 AAAAATATTTCA 1

RESULT 438

ABI77869/c

ID ABI77869 standard; DNA; 12 BP.

XX

AC ABI77869;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide primer SEQ ID NO 377842 for detecting SNP TSC0062519.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is
 designed to detect single-nucleotide polymorphisms and cytosine
 methylation status.

PT

PT

PS Claim 1; SEQ ID NO 377842; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic
 acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 and cytosine methylation status in chemically pretreated genomic DNA. The
 oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 range of diseases including immune system, gastrointestinal, respiratory,
 central nervous system, cardiovascular and metabolic disorders. The
 oligomers are also used for detecting cell type differentiation. ABC00010
 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 represent the oligomers described in the invention. NOTE: The sequence
 data for this patent did not form part of the printed specification, but
 was obtained in electronic format from WIPO at
 ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

XX Query Match 8.0%; Score 10.4; DB 1; Length 12;

XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;

XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364

DB 12 ATAAAAATATTC 1

RESULT 439

ABH72734

ID ABH72734 standard; DNA; 12 BP.

XX

AC ABH72734;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide primer SEQ ID NO 272719 for detecting SNP TSC0002915.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 272719; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1434 CAGACATATACA 1445
 DB 1 CATACATATACA 12
 RESULT 440
 ABH74433/C
 ID ABH74433 standard; DNA; 12 BP.
 XX
 XX ABH74433;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 274418 for detecting SNP TSC0003540.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX

PA (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 274418; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1356 AAAATATTCAC 1367
 DB 12 AAAATATTCAC 1
 RESULT 441
 ABI27286
 ID ABI27286 standard; DNA; 12 BP.
 XX
 XX ABI27286;
 AC
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide primer SEQ ID NO 327259 for detecting SNP TSC0033525.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 327259; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
 Db 1 AGGTAAATTTT 12

RESULT 442
 ABI04840/C
 ID ABI04840 standard; DNA; 12 BP.

XX AC ABI04840;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 304813 for detecting SNP TSC0021122.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX FN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 304813; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGT 1411
 Db 12 GGTAATAATTGT 1

RESULT 443
 ABH84238
 ID ABH84238 standard; DNA; 12 BP.

XX AC ABH84238;
 XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 284231 for detecting SNP TSC0011734.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.

XX FN WO200177384-A2.
 XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 284231; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC000010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 6 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAA 1406
 Db 1 AAGGTGTTAAA 12

RESULT 444
 ABI13653
 ID ABI13653 standard; DNA; 12 BP.

```

XX AC ABL13653;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 313626 for detecting SNP TSC0025873.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX DE
XX PD 18-OCT-2001.
XX PF
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PF
XX PF Claim 1; SEQ ID NO 313626; 29pp + Sequence Listing; German.
XX PS
XX PS This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX PS Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX CC
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX PS Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX CC
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX CC Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX CC
QY 1404 AAATGTTATG 1415
Db 1 AAATGTTATG 12
|||||
RESULT 445
ABI43916
ID ABI43916 standard; DNA; 12 BP.
XX AC
XX AC ABI43916;
XX DT
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 343889 for detecting SNP TSC0043288.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX DE
XX PD 18-OCT-2001.
XX PF
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PF
XX PF Claim 1; SEQ ID NO 313626; 29pp + Sequence Listing; German.
XX PS
XX PS This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX CC
XX PS Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX CC
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX CC Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX CC
QY 1356 AAAATATTCAC 1367
Db 1 AAAATATTCCTC 12
|||||
RESULT 446
ABI44860/C
ID ABI44860 standard; DNA; 12 BP.
XX AC
XX AC ABI44860;
XX DT
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 344833 for detecting SNP TSC0043725.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX DE
XX PD 18-OCT-2001.
XX PF
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR

```

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 344833; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ARI00010-ARI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1401 GTAAATTTGTTA 1412
 Db 12 GTAAATTTTGA 1
 RESULT 447
 ABIS2611
 ID ABIS2611 standard; DNA; 12 BP.
 XX AC ABIS2611;
 XX
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 352584 for detecting SNP TSC0007996.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPTG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 352584; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ARI00010-ARI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 7 A; 0 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTTGTTAAT 1414
 Db 1 AAAATTTAAT 12
 RESULT 448
 ABIG3322/c
 ID ABIG3322 standard; DNA; 12 BP.
 XX AC ABIG3322;
 XX
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 363295 for detecting SNP TSC0053756.
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPTG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PS Claim 1; SEQ ID NO 363295; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ARI00010-ARI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1398 GAGGTAATTTG 1409
Db 12 GAGGTAATTTG 1

RESULT 449
ABH93314/c
ID ABH93314 standard; DNA; 12 BP.
XX AC ABH93314;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 293307 for detecting SNP TSC0015566.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 293307; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 5 C; 2 G; 2 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1375 GAGCGATCGTCT 1386
Db 12 GAGCGATCGTCT 1

RESULT 450
ABH80028/c
ID ABH80028 standard; DNA; 12 BP.
XX AC ABH80028;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 331329 for detecting SNP TSC0036121.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.

QY 1460 ATCAAGCAATA 1471
Db 12 ATCAATCAATA 1

RESULT 451
ABI31356
ID ABI31356 standard; DNA; 12 BP.
XX AC ABI31356;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 331329 for detecting SNP TSC0036121.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.

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XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 331329; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1404 AAATTGTTAATG 1415
Db 1 AAAATTGTAATG 12
||||| |||||
1 AAAATTGTAATG 12

RESULT 452
ABH83408
ID ABH83408 standard; DNA; 12 BP.
XX AC ABH83408;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 283401 for detecting SNP TSC0011291.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR Oligonucleotide primer SEQ ID NO 283401 for detecting SNP TSC0011291.
XX PA SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR Oligonucleotide primer SEQ ID NO 283401 for detecting SNP TSC0011291.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 331329; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1404 AAATTGTTAATG 1415
Db 1 AAAATTGTAATG 12
||||| |||||
1 AAAATTGTAATG 12

RESULT 453
ABI10211
ID ABI10211 standard; DNA; 12 BP.
XX AC ABI10211;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 310184 for detecting SNP TSC0023858.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR Oligonucleotide primer SEQ ID NO 310184 for detecting SNP TSC0023858.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 310184; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1404 AAATTGTTAATG 1415
Db 1 AAAATTGTAATG 12
||||| |||||
1 AAAATTGTAATG 12

```

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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATCA 1419
Db 1 TTTTAATGATCA 12

RESULT 454
ABI43689/C
ID ABI43689 standard; DNA; 12 BP.
XX
AC ABI43689;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 343662 for detecting SNP TSC0043189.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PW PI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 343662; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCTCA 1366
Db 12 AACATATTCCTCA 1

RESULT 456
ABH67855
ID ABH67855 standard; DNA; 12 BP.
XX
AC ABH67855;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 267832 for detecting SNP TSC0000585.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

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RESULT 455
ABI73097/C
ID ABI73097 standard; DNA; 12 BP.
XX
AC ABI73097;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 373070 for detecting SNP TSC0059827.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PW PI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 373070; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATGTTAA 1413
Db 12 TAAAAATGTTAA 1

RESULT 456
ABH67855
ID ABH67855 standard; DNA; 12 BP.
XX
AC ABH67855;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 267832 for detecting SNP TSC0000585.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

```



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XX OS Homo sapiens.
XX FN WO200177384-A2.
XX PD 18-OCT-2001.
XX PP 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 267832; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
OY 1402 TAAAAATGTTAA 1413
DB 1 TAAAAATGTTAA 12
|||||
XX RESULT 457
XX ABH96450
XX ID ABH96450 standard; DNA; 12 BP.
XX AC ABH96450;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 296443 for detecting SNP TSC0017084.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PP 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 296443; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
OY 1400 GGTAAATTTGTT 1411
DB 1 GGTAAATTTT 12
|||||
XX RESULT 458
XX ABH76041
XX ID ABH76041 standard; DNA; 12 BP.
XX AC ABH76041;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 276034 for detecting SNP TSC0004071.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PP 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 276034; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The

```

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
 Db 1 TAAATTTGTTAA 12

RESULT 459
 ABI07998
 ID ABI07998 standard; DNA; 12 BP.

XX AC ABI07998;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 307971 for detecting SNP TSC022819.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WC200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 307971; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
 Db 1 GGGGAAGATAA 12

RESULT 460
 ABH84597/c
 ID ABH84597 standard; DNA; 12 BP.

XX AC ABH84597;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 284590 for detecting SNP TSC0011889.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WC200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 284590; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTTGTTAA 1414
 Db 12 AAAATTTTAAAT 1

RESULT 461
 ABI39956
 ID ABI39956 standard; DNA; 12 BP.

XX AC ABI39956;


```
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 269017; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAAT 1414
DB 12 AATATTGTTAAT 1
RESULT 464
AB126667/C
ID AB126667 standard; DNA; 12 BP.
XX
AC AB126667;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 326640 for detecting SNP TSC0033187.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 326640; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAAT 1414
DB 12 AATATTGTTAAT 1
RESULT 465
AB129200/C
ID AB129200 standard; DNA; 12 BP.
XX
AC AB129200;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 329173 for detecting SNP TSC0034804.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 329173; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1452 ATGGGTTGATCA 1463
DB 12 AATATTGTTAAT 1
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XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 288604; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1351 GAGCAAAAATAT 1362
XX Db 12 GAAAAAAAATAT 1
XX
XX RESULT 469
XX ABI70430
XX ID ABI70430 standard; DNA; 12 BP.
XX AC ABI70430;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 370403 for detecting SNP TSC0058162.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 370403; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1351 GAGCAAAAATAT 1362
XX Db 12 GAAAAAAAATAT 1
XX
XX RESULT 469
XX ABI70430
XX ID ABI70430 standard; DNA; 12 BP.
XX AC ABI70430;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 370403 for detecting SNP TSC0058162.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 370403; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1400 GGTAAAATTGTT 1411
XX Db 1 GATAAAATTGTT 12
XX
XX RESULT 470
XX ABI61441
XX ID ABI61441 standard; DNA; 12 BP.
XX AC ABI61441;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 361414 for detecting SNP TSC0010489.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 361414; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX

```

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SQ Sequence 12 BP; 4 A; 1 C; 4 G; 3 T; 0 U; 0 Other;
  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1440 TATACATGGAAG 1451
Db 1 TATACGTGGAAG 12

RESULT 471
ABI121577
ID ABI121577 standard; DNA; 12 BP.
AC ABI121577;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 321550 for detecting SNP TSC0030321.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 321550; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
  Query Match      8.0%; Score 10.4; DB 1; Length 12;
  Best Local Similarity 91.7%; Pred. No. 3.1e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAATATAT 1362
Db 1 GAAGAAATATTT 12

RESULT 472
ABI132480
ID ABI132480 standard; DNA; 12 BP.
AC ABI132480;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 313944 for detecting SNP TSC0026042.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.

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XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 313944; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
Db 12 GGTAGAAAAATA 1

RESULT 474
ABI39893
ID ABI39893 standard; DNA; 12 BP.
XX AC ABI39893;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 339866 for detecting SNP TSC0041224.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 371972; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12

RESULT 475
ABI71999/C
ID ABI71999 standard; DNA; 12 BP.
XX AC ABI71999;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 371972 for detecting SNP TSC0059093.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 371972; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12

```


CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 CC
 SQ Sequence 12 BP; 4 A; 6 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1450 AGATGGGTTGAT 1461
 Db 12 AGGTGGGTTGAT 1
 RESULT 476
 ABI81482/c
 ID ABI81482 standard; DNA; 12 BP.
 XX AC ABI81482;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 381455 for detecting SNP TSC0064373.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 381455; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1347 AGGGGAAGAAAA 1358
 Db 12 AGGGGAATAAAA 1
 RESULT 477
 ABI17816/c
 ID ABI17816 standard; DNA; 12 BP.
 XX AC ABI17816;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 317789 for detecting SNP TSC0028274.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 317789; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1350 GGAAGAAAAATA 1361
 Db 12 GGGAGAAAAATA 1
 RESULT 478
 ABI28415
 ID ABI28415 standard; DNA; 12 BP.
 XX AC ABI28415;
 XX DT 22-FEB-2002 (first entry)

QY 1347 AGGGGAAGAAAA 1358
 Db 12 AGGGGAATAAAA 1
 RESULT 477
 ABI17816/c
 ID ABI17816 standard; DNA; 12 BP.
 XX AC ABI17816;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 317789 for detecting SNP TSC0028274.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 317789; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1350 GGAAGAAAAATA 1361
 Db 12 GGGAGAAAAATA 1
 RESULT 478
 ABI28415
 ID ABI28415 standard; DNA; 12 BP.
 XX AC ABI28415;
 XX DT 22-FEB-2002 (first entry)

XX PS Claim 1; SEQ ID NO 335461; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCTCA 1366
|||||
12 AAAACATTCCTCA 1

Db

RESULT 481
ABI43883/C
ID ABI43883 standard; DNA; 12 BP.

XX AC ABI43883;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 343856 for detecting SNP TSC0005775.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PS WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 343856; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1434 CAGACATATACA 1445
|||||
12 CAAACATATACA 1

Db

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
|||||
12 AAAATTGTTATT 1

Db

RESULT 482
ABI44147/C
ID ABI44147 standard; DNA; 12 BP.

XX AC ABI44147;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 344120 for detecting SNP TSC0043393.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PS WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX PS Claim 1; SEQ ID NO 344120; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1434 CAGACATATACA 1445
|||||
12 CAAACATATACA 1

Db

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RESULT 483
ABI48462
ID ABI48462 standard; DNA; 12 BP.
XX AC ABI48462;
XX AC ABI48462;
XX AC ABI48462;
DT 22-FEB-2002 (first entry)
DE DE Oligonucleotide primer SEQ ID NO 348435 for detecting SNP TSC0045594.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 351471; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1358 AATATTCACGC 1369
DB 1 AATAATCCACGC 12
RESULT 484
ABI51498/c
ID ABI51498 standard; DNA; 12 BP.
XX AC ABI51498;
XX AC ABI51498;
XX AC ABI51498;
DT 22-FEB-2002 (first entry)
DE DE Oligonucleotide primer SEQ ID NO 351471 for detecting SNP TSC0047337.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 348435; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1358 AATATTCACGC 1369
DB 1 AATAATCCACGC 12
RESULT 485
ABI54828/c
ID ABI54828 standard; DNA; 12 BP.
XX AC ABI54828;
XX AC ABI54828;
XX AC ABI54828;
DT 22-FEB-2002 (first entry)
DE DE Oligonucleotide primer SEQ ID NO 354801 for detecting SNP TSC0049303.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 351471; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1434 CACACATATACA 1445
DB 12 CACACATATACA 1
RESULT 485
ABI54828/c
ID ABI54828 standard; DNA; 12 BP.
XX AC ABI54828;
XX AC ABI54828;
XX AC ABI54828;
DT 22-FEB-2002 (first entry)
DE DE Oligonucleotide primer SEQ ID NO 354801 for detecting SNP TSC0049303.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.

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XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 354801; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligonucleotides are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1399 AGGTAAATTCGT 1410
XX 12 AGGTAATTCGT 1
XX
XX RESULT 486
XX ABI17970
XX ID ABI17970 standard; DNA; 12 BP.
XX AC ABI17970;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 371943 for detecting SNP TSC0059077.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 371943; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligonucleotides are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1352 AAGAAAAATATT 1363
XX 1 AAGATAATATT 12
XX
XX RESULT 487
XX ABI61668
XX ID ABI61668 standard; DNA; 12 BP.
XX AC ABI61668;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 361641 for detecting SNP TSC0052741.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 361641; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligonucleotides are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
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Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
    ||||| |||||
Db 1 AAAATAGTTAAT 12

RESULT 488
ABI79169
ID ABI79169 standard; DNA; 12 BP.
XX
AC ABI79169;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 379142 for detecting SNP TSC0008405.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 379142; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAATA 1471
    ||||| |||||
Db 1 ATCAATCAATA 12

RESULT 489
ABI79894/C
ID ABI79894 standard; DNA; 12 BP.
XX
AC ABI79894;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 381597 for detecting SNP TSC0064452.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

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AC ABI79894;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 379867 for detecting SNP TSC0009746.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 379867; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
    ||||| |||||
Db 12 AAGGAAATATT 1

RESULT 490
ABI81624/C
ID ABI81624 standard; DNA; 12 BP.
XX
AC ABI81624;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 381597 for detecting SNP TSC0064452.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

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XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 381597; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1403 AAAATTGTTAAT 1414
XX DB 12 AAAATTGTTGAT 1
XX
XX RESULT 491
XX ABI06676/c
XX ID ABI06676 standard; DNA; 12 BP.
XX
XX AC ABI06676;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 306649 for detecting SNP TSC0022106.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 381597; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1403 AAAATTGTTAAT 1414
XX DB 12 AAAATTGTTGAT 1
XX
XX RESULT 491
XX ABI06676/c
XX ID ABI06676 standard; DNA; 12 BP.
XX
XX AC ABI06676;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 306649 for detecting SNP TSC0022106.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 306649; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 2 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1404 AAAATTGTTAATG 1415
XX DB 12 AAAATTGTTAATG 1
XX
XX RESULT 492
XX ABI12548/c
XX ID ABI12548 standard; DNA; 12 BP.
XX
XX AC ABI12548;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 312521 for detecting SNP TSC0025110.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 312521; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010

```

CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1355 AAAAATAATCCA 1366
 Db 12 AAAAATAATCCA 1
 RESULT 493
 ABI38552
 ID ABI38552 standard; DNA; 12 BP.
 XX AC ABI38552;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 338525 for detecting SNP TSC0040532.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 338525; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 2 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1447 GGAAGATGGGT 1458

Db 1 GGAGGATGGGT 12
 RESULT 494
 ABI14031
 ID ABI14031 standard; DNA; 12 BP.
 XX AC ABI14031;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 314004 for detecting SNP TSC0026064.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 314004; 29pp + Sequence Listing; German.
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1401 GTAAAAATGGTTA 1412
 Db 1 GTAAATATGGTTA 12
 RESULT 495
 ABI73250/C
 ID ABI73250 standard; DNA; 12 BP.
 XX AC ABI73250;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 373223 for detecting SNP TSC0059916.


```
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX XX 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX XX Claim 1; SEQ ID NO 373223; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1407 TTGTTAATGATG 1418
DB 12 TTTTAAATGATG 1
RESULT 496
ABI62297/c
ID ABI62297 standard; DNA; 12 BP.
XX AC ABI62297;
XX XX 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 362270 for detecting SNP TSC0053115.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX DE Oligonucleotide primer SEQ ID NO 362270 for detecting SNP TSC0061943.
SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX DE Oligonucleotide primer SEQ ID NO 376709 for detecting SNP TSC0061943.
SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX DE Oligonucleotide primer SEQ ID NO 376709 for detecting SNP TSC0061943.
SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX DE Oligonucleotide primer SEQ ID NO 376709; 29pp + Sequence Listing; German.
```

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
 Db 1 AAGAAAAATATT 12

RESULT 498
 ABH73027
 ID ABH73027 standard; DNA; 12 BP.
 XX AC ABH73027;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 273012 for detecting SNP TSC0003013.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX FN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 273012; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
 Db 1 ATAAAAATATTC 12

RESULT 499
 ABI23764/C
 ID ABI23764 standard; DNA; 12 BP.
 XX AC ABI23764;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide primer SEQ ID NO 323737 for detecting SNP TSC0031578.
 XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX FN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 323737; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTTGA 1460
 Db 12 AAGTGGGTTGA 1

RESULT 500


```

XX WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 358739; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAATAATT 1408
Db 12 GGAGGTAATAATT 1
|||||
|

RESULT 503
ABI73336/c
ID ABI73336 standard; DNA; 12 BP.
XX
AC ABI73336;
XX
XX 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 373309 for detecting SNP TSC0059967.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 373309; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAATAATT 1408
Db 12 GGAGGTAATAATT 1
|||||
|

RESULT 504
ABI64784
ID ABI64784 standard; DNA; 12 BP.
XX
AC ABI64784;
XX
XX 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 364757 for detecting SNP TSC0054698.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 364757; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATGCTTAAT 1414
Db 1 AAAATGGTTAAT 12

RESULT 505
ABI65037
ID ABI65037 standard; DNA; 12 BP.
XX AC ABI65037;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 365010 for detecting SNP TSC0054867.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 365010; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGTGTGAT 1461
Db 1 AGATGGTGTGTT 12

RESULT 506
ABI18232/c
ID ABI18232 standard; DNA; 12 BP.
XX AC ABI18232;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 318749 for detecting SNP TSC0028844.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.

DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 318205 for detecting SNP TSC0028516.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 318205; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAATATTT 1363
Db 12 AAGAGGATATTT 1

RESULT 507
ABI18776
ID ABI18776 standard; DNA; 12 BP.
XX AC ABI18776;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 318749 for detecting SNP TSC0028844.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.

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XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 318749; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1405 AATTGTTAATGA 1416
Db 1 AATTGTTAATGA 12
||||| |||

RESULT 508
ABH69518
ID ABH69518 standard; DNA; 12 BP.
AC ABH69518;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 269495 for detecting SNP TSC0001782.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 318749; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1405 AATTGTTAATGA 1416
Db 1 AATTGTTAATGA 12
||||| |||

RESULT 509
ABI20405
ID ABI20405 standard; DNA; 12 BP.
AC ABI20405;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 320378 for detecting SNP TSC0029677.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 320378; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 9 A; 0 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1352 AAGAAAATATT 1363
Db 1 AAAAAAATATT 12
||||| |||

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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
|||||
DB 1 GGGGAAAAAAA 12

RESULT 510
ABH73642/c
ID ABH73642 standard; DNA; 12 BP.
XX AC ABH73642;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 273627 for detecting SNP TSC0003251.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 273627; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTGGTA 1412
|||||
DB 12 GTAAATTGGTA 1

RESULT 512
ABH73642/c
ID ABH73642 standard; DNA; 12 BP.
XX AC ABH73642;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 301245 for detecting SNP TSC0019422.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

RESULT 511
ABH75620/c
ID ABH75620 standard; DNA; 12 BP.
XX AC ABH75620;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 275611 for detecting SNP TSC0003943.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 275611; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 12 BP; 3 A; 0 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
|||||
DB 12 AAAAAAATATT 1

RESULT 512
ABH75620/c
ID ABH75620 standard; DNA; 12 BP.
XX AC ABH75620;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 301245 for detecting SNP TSC0019422.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 301245; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT92073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 4 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1352 AAGAAAAATATT 1363
 Db 12 AAGATAATATT 1
 RESULT 513
 ABI03056
 ID ABI03056 standard; DNA; 12 BP.
 XX AC ABI03056;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 303029 for detecting SNP TSC0020284.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 303029; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT92073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 4 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1352 AAGAAAAATATT 1363
 Db 12 AAGATAATATT 1
 RESULT 513
 ABI03056
 ID ABI03056 standard; DNA; 12 BP.
 XX AC ABI03056;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 303029 for detecting SNP TSC0020284.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 303029; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 303029; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT92073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1355 AAAAATATTCCA 1366
 Db 1 AAAATATTCCA 12
 RESULT 514
 ABI09032/c
 ID ABI09032 standard; DNA; 12 BP.
 XX AC ABI09032;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide primer SEQ ID NO 309005 for detecting SNP TSC0023317.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 309005; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligonucleotides are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
 Db 12 AAAAATATACCA 1

RESULT 515
 AB113624
 ID AB113624 standard; DNA; 12 BP.
 XX
 AC AB113624;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 313597 for detecting SNP TSC0025857.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 Claim 1; SEQ ID NO 313597; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
 Db 12 TTGTTAATGATG 1

RESULT 517
 AB147818
 ID AB147818 standard; DNA; 12 BP.

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
 Db 1 AAAATATTCATC 12

RESULT 516
 ABH89077/c
 ID ABH89077 standard; DNA; 12 BP.
 XX
 AC ABH89077;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide primer SEQ ID NO 289070 for detecting SNP TSC0013790.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 Claim 1; SEQ ID NO 289070; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
 Db 12 TTGTTAATGATG 1

RESULT 517
 AB147818
 ID AB147818 standard; DNA; 12 BP.

```

XX AC AB147818;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 347791 for detecting SNP TSC0045257.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PG 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PG 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 347791; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX CC Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX PY 1397 GGAGGTAAATTT 1408
XX DB 1 GTAGGTAAATTT 12
XX CC
XX RESULT 518
XX ID ABI68520/c
XX ID ABI68520 standard; DNA; 12 BP.
XX AC ABI68520;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 368493 for detecting SNP TSC0057051.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PG 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 368493; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX CC Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX PY 1397 GGAGGTAAATTT 1408
XX DB 1 GTAGGTAAATTT 12
XX CC
XX RESULT 519
XX ID ABI63943/c
XX ID ABI63943 standard; DNA; 12 BP.
XX AC ABI63943;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 363916 for detecting SNP TSC0054129.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PG 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 368493; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 4 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX CC Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX PY 1352 AAGAAAAATTT 1363
XX DB 12 AAGAAAAATTTT 1
XX CC
XX RESULT 519
XX ID ABI63943/c
XX ID ABI63943 standard; DNA; 12 BP.
XX AC ABI63943;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 363916 for detecting SNP TSC0054129.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PG 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 368493; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences

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DE	Oligonucleotide primer SEQ ID NO 290754 for detecting SNP TSC0014500.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
Pf	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 290754; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
	Query Match 8.0%; Score 10.4; DB 1; Length 12;
	Best Local Similarity 91.7%; Pred. No. 3.1e+02;
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	1355 AAAAATATTCCA 1366
Db	
	1 AAAAATACTCCA 12
RESULT 524	
ABI61920/C	
ID	ABI61920 standard; DNA; 12 BP.
XX	
AC	ABI61920;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide primer SEQ ID NO 361893 for detecting SNP TSC0052937.
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
Pf	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 328759; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 12 BP; 4 A; 0 C; 0 G; 8 T; 0 U; 0 Other;
	Query Match 8.0%; Score 10.4; DB 1; Length 12;
	Best Local Similarity 91.7%; Pred. No. 3.1e+02;
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	1352 AAGAAAATATT 1363
Db	
	12 ATATAAAATATT 1
RESULT 523	
ABH90761	
ID	ABH90761 standard; DNA; 12 BP.
XX	
AC	ABH90761;
XX	
DT	22-FEB-2002 (first entry)
XX	


```

CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAGAGAAATA 1361
DB 12 GGAGATAATA 1

RESULT 527
ABH98914/C
ID ABH98914 standard; DNA; 12 BP.
XX
AC ABH98914;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 298907 for detecting SNP TSC0018340.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 298907; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAGAAATATTC 1364
DB 12 AGAGAAATATTC 1

RESULT 529
ABH10384/C
ID ABH10384 standard; DNA; 12 BP.
XX
AC ABH10384;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 310357 for detecting SNP TSC0023938.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

```


PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

XX Claim 1; SEQ ID NO 306244; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1356 AAAAATATTCAC 1367

Db 1 AAAAATATTCAC 12
|||||

RESULT 537

ABH82783

ID ABH82783 standard; DNA; 12 BP.

AC ABH82783;

22-FEB-2002 (first entry)

Oligonucleotide primer SEQ ID NO 282776 for detecting SNP TSC0010988.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.

Homo sapiens.

WO200177384-A2.

18-OCT-2001.

06-APR-2001; 2001WO-IB000713.

07-APR-2000; 2000DE-01019173.

(EPIG-) EPIGENOMICS AG.

Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

Claim 1; SEQ ID NO 282776; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 0 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413

Db 1 TAAATTTGTTAA 12
|||||

RESULT 538

ABI36243

ID ABI36243 standard; DNA; 12 BP.

AC ABI36243;

22-FEB-2002 (first entry)

Oligonucleotide primer SEQ ID NO 336216 for detecting SNP TSC0039252.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.

Homo sapiens.

WO200177384-A2.

18-OCT-2001.

06-APR-2001; 2001WO-IB000713.

07-APR-2000; 2000DE-01019173.

(EPIG-) EPIGENOMICS AG.

Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.

Claim 1; SEQ ID NO 336216; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCAC 1366

|||||

```

Db      1 AAAAATATCCCA 12
RESULT 539
ABI49459
ID      ABI49459 standard; DNA; 12 BP.
XX
XX
AC      ABI49459;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide primer SEQ ID NO 349432 for detecting SNP TSC0046139.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
XX
XX      06-APR-2001; 2001WO-IB000713.
XX
XX      07-APR-2000; 2000DE-01019173.
XX
XX      (EPIG-) EPIGENOMICS AG.
XX
XX      Olek A, Piepenbrock C, Berlin K;
XX
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 355488; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX      Query Match      8.0%; Score 10.4; DB 1; Length 12;
XX      Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX      QY      1407 TTGTTAATGATG 1418
XX      Db      1 TTTTAAATGATG 12
XX
XX      RESULT 541
XX      ABI58639
XX      ID      ABI58639 standard; DNA; 12 BP.
XX
XX      AC      ABI58639;
XX
XX      XX      22-FEB-2002 (first entry)
XX
XX      DE      Oligonucleotide primer SEQ ID NO 358612 for detecting SNP TSC0006594.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      OS      Homo sapiens.
XX
XX      XX      WO200177384-A2.
XX
XX      PD      18-OCT-2001.
XX
XX      XX      06-APR-2001; 2001WO-IB000713.
XX
XX      XX      07-APR-2000; 2000DE-01019173.
XX
XX

```

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 358612; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 4 A; 1 C; 3 G; 4 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1408 TGTAAATGATGA 1419
 Db 1 TGTAAACGATGA 12
 RESULT 542
 ABT28818 standard; DNA; 12 BP.
 XX AC ABT28818;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 328791 for detecting SNP TSC0034566.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 328791; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1356 AAAATATTCAC 1367
 Db 1 AAAATATTCAC 12
 RESULT 543
 ABT29487/C
 ID ABT29487 standard; DNA; 12 BP.
 XX AC ABT29487;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 329460 for detecting SNP TSC0034954.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 329460; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1356 AAAATATTCAC 1367
 Db 1 AAAATATTCAC 12
 RESULT 543
 ABT29487/C
 ID ABT29487 standard; DNA; 12 BP.
 XX AC ABT29487;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 329460 for detecting SNP TSC0034954.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 329460; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 12;
 Best Local Similarity 91.7%; Pred. No. 3.1e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1356 AAAATATTCAC 1367
 Db 1 AAAATATTCAC 12
 RESULT 543
 ABT29487/C
 ID ABT29487 standard; DNA; 12 BP.
 XX AC ABT29487;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide primer SEQ ID NO 329460 for detecting SNP TSC0034954.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 329460; 29pp + Sequence Listing; German.

RESULT 545
ABT06931

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XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 307736; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1399 AGGTAAATTTGT 1410
Db 12 AGGTAAATTTGT 1
|||||
12 AGGTAAATTTGT 1

RESULT 547
ABH85134/c
ID ABH85134 standard; DNA; 12 BP.
XX
XX
XX ABH85134;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 285127 for detecting SNP TSC0012162.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 343317; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1408 TGTAAATGATGA 1419
Db 12 TGTAAATGATGA 1
|||||
12 TGTAAATGATGA 1

RESULT 548
AB143344
ID AB143344 standard; DNA; 12 BP.
XX
XX
XX AB143344;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 343317 for detecting SNP TSC0042993.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 343317; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

```

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels

XX DT 22-FEB-2002 (first entry)

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 3.1e+02;
Matches 11: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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XX DE Oligonucleotide primer SEQ ID NO 278001 for detecting SNP TSC0005468.
XX DE
XX DE
XX DE SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX DE peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX DE central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX DE
XX OS Homo sapiens.
XX OS
XX OS WO200177384-A2.
XX OS
XX OS 18-OCT-2001.
XX OS
XX OS
XX OS 06-APR-2001; 2001WO-IB000713.
XX OS
XX OS 07-APR-2000; 2000DE-01019173.
XX OS
XX OS (EPIG-) EPIGENOMICS AG.
XX OS
XX OS Olek A, Piepenbrock C, Berlin K;
XX OS
XX OS WPI; 2001-657177/75.
XX OS
XX OS Set of oligonucleotides, useful for diagnosis and cell typing, is
XX OS designed to detect single-nucleotide polymorphisms and cytosine
XX OS methylation status.
XX OS
XX OS Claim 1; SEQ ID NO 278001; 29pp + Sequence Listing; German.
XX OS
XX OS This invention describes novel oligonucleotide primers or peptide nucleic
XX OS acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX OS and cytosine methylation status in chemically pretreated genomic DNA. The
XX OS oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX OS range of diseases including immune system, gastrointestinal, respiratory,
XX OS central nervous system, cardiovascular and metabolic disorders. The
XX OS oligomers are also used for detecting cell type differentiation. ABC00010
XX OS -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX OS represent the oligomers described in the invention. NOTE: The sequence
XX OS data for this patent did not form part of the printed specification, but
XX OS was obtained in electronic format from WIPO at
XX OS ftp.wipo.int/pub/published_pct_sequences
XX OS
XX OS Sequence 12 BP; 8 A; 0 C; 0 G; 4 T; 0 U; 0 Other;
XX OS
XX OS Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX OS Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX OS Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX OS
XX QY 1352 AAGAAAAATATT 1363
XX DB |||||||
XX DB 1 AATAAAAAATATT 12
XX
XX RESULT 552
XX ABI05936
XX ID ABI05936 standard; DNA; 12 BP.
XX AC
XX AC ABI05936;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 305909 for detecting SNP TSC0021696.
XX DE
XX DE SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX DE peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX DE central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX DE
XX OS Homo sapiens.
XX OS
XX OS WO200177384-A2.
XX OS
XX OS 18-OCT-2001.
XX OS
XX OS
XX OS 06-APR-2001; 2001WO-IB000713.
XX OS
XX OS 07-APR-2000; 2000DE-01019173.
XX OS
XX OS (EPIG-) EPIGENOMICS AG.
XX OS
XX OS Olek A, Piepenbrock C, Berlin K;
XX OS
XX OS WPI; 2001-657177/75.
XX OS
XX OS Set of oligonucleotides, useful for diagnosis and cell typing, is
XX OS designed to detect single-nucleotide polymorphisms and cytosine
XX OS methylation status.
XX OS
XX OS Claim 1; SEQ ID NO 278001; 29pp + Sequence Listing; German.
XX OS
XX OS This invention describes novel oligonucleotide primers or peptide nucleic
XX OS acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX OS and cytosine methylation status in chemically pretreated genomic DNA. The
XX OS oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX OS range of diseases including immune system, gastrointestinal, respiratory,
XX OS central nervous system, cardiovascular and metabolic disorders. The
XX OS oligomers are also used for detecting cell type differentiation. ABC00010
XX OS -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX OS represent the oligomers described in the invention. NOTE: The sequence
XX OS data for this patent did not form part of the printed specification, but
XX OS was obtained in electronic format from WIPO at
XX OS ftp.wipo.int/pub/published_pct_sequences
XX OS
XX OS Sequence 12 BP; 8 A; 0 C; 0 G; 4 T; 0 U; 0 Other;
XX OS
XX OS Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX OS Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX OS Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX OS
XX QY 1352 AAGAAAAATATT 1363
XX DB |||||||
XX DB 1 AATAAAAAATATT 12
XX
XX RESULT 552
XX ABI05936
XX ID ABI05936 standard; DNA; 12 BP.
XX AC
XX AC ABI05936;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 305909 for detecting SNP TSC0021696.
XX DE
XX DE SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX DE peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX DE central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX DE
XX OS Homo sapiens.
XX OS
XX OS WO200177384-A2.
XX OS
XX OS 18-OCT-2001.
XX OS
XX OS
XX OS 06-APR-2001; 2001WO-IB000713.
XX OS
XX OS 07-APR-2000; 2000DE-01019173.
XX OS
XX OS (EPIG-) EPIGENOMICS AG.
XX OS
XX OS Olek A, Piepenbrock C, Berlin K;
XX OS
XX OS WPI; 2001-657177/75.
XX OS
XX OS Set of oligonucleotides, useful for diagnosis and cell typing, is
XX OS designed to detect single-nucleotide polymorphisms and cytosine
XX OS methylation status.
XX OS
XX OS Claim 1; SEQ ID NO 305909; 29pp + Sequence Listing; German.
XX OS
XX OS This invention describes novel oligonucleotide primers or peptide nucleic
XX OS acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX OS and cytosine methylation status in chemically pretreated genomic DNA. The
XX OS oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX OS range of diseases including immune system, gastrointestinal, respiratory,
XX OS central nervous system, cardiovascular and metabolic disorders. The
XX OS oligomers are also used for detecting cell type differentiation. ABC00010
XX OS -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX OS represent the oligomers described in the invention. NOTE: The sequence
XX OS data for this patent did not form part of the printed specification, but
XX OS was obtained in electronic format from WIPO at
XX OS ftp.wipo.int/pub/published_pct_sequences
XX OS
XX OS Sequence 12 BP; 6 A; 0 C; 0 G; 6 T; 0 U; 0 Other;
XX OS
XX OS Query Match 8.0%; Score 10.4; DB 1; Length 12;
XX OS Best Local Similarity 91.7%; Pred. No. 3.1e+02;
XX OS Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX OS
XX QY 1402 TAAATTTGTTAA 1413
XX DB |||||||
XX DB 1 TAAATTTTAA 12
XX
XX RESULT 553
XX ABI39001
XX ID ABI39001 standard; DNA; 12 BP.
XX AC
XX AC ABI39001;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 338974 for detecting SNP TSC0040769.
XX DE
XX DE SNP, single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX DE peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX DE central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX DE
XX OS Homo sapiens.
XX OS
XX OS WO200177384-A2.
XX OS
XX OS 18-OCT-2001.
XX OS
XX OS 06-APR-2001; 2001WO-IB000713.
XX OS
XX OS 07-APR-2000; 2000DE-01019173.
XX OS
XX OS (EPIG-) EPIGENOMICS AG.
XX OS
XX OS Olek A, Piepenbrock C, Berlin K;
XX OS
XX OS WPI; 2001-657177/75.
XX OS
XX OS Set of oligonucleotides, useful for diagnosis and cell typing, is
XX OS designed to detect single-nucleotide polymorphisms and cytosine
XX OS methylation status.

```


XX PS Claim 1; SEQ ID NO 338974; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The CC CC and oligonucleotides are used for diagnosis and/or prognosis of cancer and a CC CC range of diseases including immune system, gastrointestinal, respiratory, CC CC central nervous system, cardiovascular and metabolic disorders. The CC CC oligomers are also used for detecting cell type differentiation. ABC00010 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 CC represent the oligomers described in the invention. NOTE: The sequence CC data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 12;

Best Local Similarity 91.7%; Pred. No. 3.1e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410

Db 1 AGGTATAATTTGT 12

RESULT 554

AAV52629

ID AAV52629 standard; DNA; 13 BP.

XX AC AAV52629;

XX DT 21-DEC-1998 (first entry)

XX DE Hepatocyte nuclear factor 1 alpha DNA binding site consensus.

XX KW Hepatocyte nuclear factor 1 alpha; HNF-1 alpha; MODY3; human;

XX KW transcription factor; maturity onset diabetes of the young; diabetes;

XX KW NIDDM; diagnosis; therapy; ss.

XX OS Homo sapiens.

XX PN WO9811254-A1.

XX PD 19-MAR-1998.

XX PF 10-SEP-1997; 97WO-US016037.

XX PR 10-SEP-1996; 96US-0025719P.

XX PR 02-OCT-1996; 96US-0028056P.

XX PR 30-OCT-1996; 96US-0029679P.

XX PA (ARCH-) ARCH DEV CORP.

XX PI Bell GI, Yamagata K, Oda N, Kaisaki PJ, Furuta H, Menzel S;

XX PI Horikawa Y;

XX DR WPI; 1998-271667/24.

XX PT Isolated nucleic acid encoding hepatocyte nuclear factor 1-alpha and 1-beta - useful for detecting susceptibility for non-insulin dependent diabetes, especially maturity-onset diabetes of the young.

XX PS Disclosure; Page 18; 363pp; English.

XX CC This is a consensus sequence for a 13 bp palindromic DNA sequence that is CC CC found in hepatocyte nuclear factor 1-alpha (HNF-1 alpha) binding protein CC CC gene promoters and which binds to the DNA binding domain, i.e. a POU-like CC CC homeodomain, of HNF-1 alpha (see AAW71559). This consensus sequence can CC CC be used in methods of identifying modulators of HNF-1 alpha function. The CC CC invention concerns the identification of genes responsible for non-insulin dependent diabetes mellitus (NIDDM) for use in diagnostics and

CC therapeutics. It demonstrates that the MODY3 locus is the HNF-1 alpha CC gene, the MODY4 locus is the HNF-1 beta gene (see AAV52730) and the MODY1 CC locus is the HNF-4 alpha gene (see AAV52687). Analysis of mutations in CC these HNF genes can be diagnostic for diabetes. The invention also CC contemplates methods of screening for modulators of HNF function, the CC modulators being useful for treating diabetes by modulating HNF function CC in an animal

XX SQ Sequence 13 BP; 4 A; 2 C; 1 G; 5 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 84.6%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACC 1421

Db 1 GTTAATNATACC 13

RESULT 555

ABC42352/c

ID ABC42352 standard; DNA; 13 BP.

XX AC ABC42352;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 42369 for detecting SNP TSC0012640.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is CC designed to detect single-nucleotide polymorphisms and cytosine CC methylation status.

XX PS Claim 1; SEQ ID NO 42369; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) CC and cytosine methylation status in chemically pretreated genomic DNA. The CC CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a CC CC range of diseases including immune system, gastrointestinal, respiratory, CC CC central nervous system, cardiovascular and metabolic disorders. The CC CC oligomers are also used for detecting cell type differentiation. ABC00010 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 CC represent the oligomers described in the invention. NOTE: The sequence CC data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 52751; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1442 TACATCGAAGAT 1453
 DB 1 TAAATCGAAGAT 12
 |||||
 |||||
 RESULT 559
 ABC79859
 ID ABC79859 standard; DNA; 13 BP.
 XX
 AC ABC79859;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 79876 for detecting SNP TSC0020278.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX
 PS Claim 1; SEQ ID NO 79876; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1402 TAAATTTGTAA 1413
 DB 1 TAAATTTGTAA 12
 |||||
 |||||
 RESULT 560
 ABC56426/c
 ID ABC56426 standard; DNA; 13 BP.
 XX
 AC ABC56426;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 56443 for detecting SNP TSC0015305.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 56443; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1402 TAAATTTGTAA 1413
 DB 1 TAAATTTGTAA 12
 |||||
 |||||
 RESULT 560
 ABC56426/c
 ID ABC56426 standard; DNA; 13 BP.
 XX
 AC ABC56426;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 56443 for detecting SNP TSC0015305.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

```

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
Db 12 AAAAATATTCAC 1

RESULT 561
ABC11542/c
ID ABC11542 standard; DNA; 13 BP.
XX
AC ABC11542;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11541 for detecting SNP TSC0002802.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 11541; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99889, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
Db 12 AAAAATATTCAC 1

RESULT 562
ABC11543
ID ABC11543 standard; DNA; 13 BP.
XX
AC ABC11543;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 11542 for detecting SNP TSC0002802.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 11542; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99889, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
Db 2 AAAAATATTCAC 13

RESULT 563
ABC89795
ID ABC89795 standard; DNA; 13 BP.
XX
AC ABC89795;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 89812 for detecting SNP TSC0022510.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```

KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	
XX	WO200177384-A2.
PN	
XX	18-OCT-2001.
PD	
XX	
XX	06-APR-2001; 2001WO-IB000713.
PF	
XX	
XX	07-APR-2000; 2000DE-01019173.
PR	
XX	(EPIG-) EPIGENOMICS AG.
PA	
XX	Olek A, Piepenbrock C, Berlin K;
PI	
XX	WPI; 2001-657177/75.
XX	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
XX	Claim 1; SEQ ID NO 89812; 29pp + Sequence Listing; German.
PS	
XX	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligonucleotides are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI92073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
	Query Match 8.0%; Score 10.4; DB 1; Length 13;
	Best Local Similarity 91.7%; Pred. No. 3.5e+02;
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy	1434 CAGACATATACA 1445
Db	1 CATACATATACA 12
RESULT 564	
ABF22881/C	
ID	ABF22881 standard; DNA; 13 BP.
XX	
AC	ABF22881;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 122878 for detecting SNP TSC0030713.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
XX	WO200177384-A2.
PN	
XX	18-OCT-2001.
PD	
XX	
XX	06-APR-2001; 2001WO-IB000713.
PF	
XX	
XX	07-APR-2000; 2000DE-01019173.
PR	
XX	(EPIG-) EPIGENOMICS AG.
PA	

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATCCCA 1366

Db 13 AAAAAATATACA 2

RESULT 566

ABH17406
 ID ABH17406 standard; DNA; 13 BP.

XX AC ABH17406;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 217383 for detecting SNP TSC0052861.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 217383; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413

Db 2 TAAATTTGTTA 13

RESULT 567

ABF93281

ID ABF93281 standard; DNA; 13 BP.

XX AC ABF93281;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 193278 for detecting SNP TSC0047551.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 193278; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364

Db 2 AAAAAATATTC 13

RESULT 568

ABF72948

ID ABF72948 standard; DNA; 13 BP.

XX XX


```

Db      1 AAAATATTACAC 12
|||||
RESULT 573
ABH52658
ID      ABH52658 standard; DNA; 13 BP.
AC      ABH52658;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide SEQ ID NO 253635 for detecting SNP TSC0061629.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
XX
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
XX
XX      Oligonucleotide SEQ ID NO 253635 for detecting SNP TSC0061629.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
XX
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
XX
XX      06-APR-2001; 2001WO-IB000713.
XX
XX      07-APR-2000; 2000DE-01019173.
XX
XX      (EPIG-) EPIGENOMICS AG.
XX
XX      Olek A, Piepenbrock C, Berlin K;
XX
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 252635; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;
SQ
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1400 GGTAAATGTT 1411
      |||||
Db      1 GGTAGATTGTT 12

RESULT 574
ABH59992
ID      ABH59992 standard; DNA; 13 BP.
AC      ABH59992;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide SEQ ID NO 259969 for detecting SNP TSC0063118.

```

```

XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
XX
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
XX
XX      06-APR-2001; 2001WO-IB000713.
XX
XX      07-APR-2000; 2000DE-01019173.
XX
XX      (EPIG-) EPIGENOMICS AG.
XX
XX      Olek A, Piepenbrock C, Berlin K;
XX
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 259969; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABC00010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
SQ
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1439 ATATACATGGAA 1450
      |||||
Db      1 ATATATATGGAA 12

RESULT 575
ABH59993/c
ID      ABH59993 standard; DNA; 13 BP.
XX
XX      AC      ABH59993;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide SEQ ID NO 259970 for detecting SNP TSC0063118.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
XX
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
XX
XX      06-APR-2001; 2001WO-IB000713.

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 259970; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1439 ATATATATGGAA 1450
Db 13 ATATATATGGAA 2
||||| |||||
RESULT 576
ABC42350/c
ID ABC42350 standard; DNA; 13 BP.
XX
XX ABC42350;
XX
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 42367 for detecting SNP TSC0012640.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 42367; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1439 ATATATATGGAA 1450
Db 13 ATATATATGGAA 2
||||| |||||
RESULT 577
ABC95963/c
ID ABC95963 standard; DNA; 13 BP.
XX
XX ABC95963;
XX
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 95980 for detecting SNP TSC0023864.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 95980; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1385 CTTCTCATCAAA 1396
Db 12 CTTCTCATCAAA 1
||||| |||||
RESULT 577
ABC95963/c
ID ABC95963 standard; DNA; 13 BP.
XX
XX ABC95963;
XX
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 95980 for detecting SNP TSC0023864.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 95980; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1385 CTTCTCATCAAA 1396
Db 12 CTTCTCATCAAA 1
||||| |||||

```

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XX
SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTGTTAATGATG 1

RESULT 578
ABC27818
ID ABC27818 standard; DNA; 13 BP.
AC ABC27818;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 27835 for detecting SNP TSC0007837.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 27835; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATGTTA 1412
Db 1 GTAAAAATGTTA 12

RESULT 579

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ABC79858/C
ID ABC79858 standard; DNA; 13 BP.
XX
XX ABC79858;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 79875 for detecting SNP TSC0020278.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 79875; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATGTTAA 1413
Db 13 TAAAAATGTTAA 2

RESULT 580
ABC10548
ID ABC10548 standard; DNA; 13 BP.
XX
XX ABC10548;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 10539 for detecting SNP TSC0002658.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX

```


CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATAT 1362

DB 1 GAAAAAAATAT 12

RESULT 583

ABF42024

ID ABF42024 standard; DNA; 13 BP.

XX AC ABF42024;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 142021 for detecting SNP TSC0035574.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 142021; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 0 C; 7 G; 0 T; 0 U; 0 Other;

Query Match

Best Local Similarity 8.0%; Score 10.4; DB 1; Length 13;

Mismatches 1; Indels 0; Gaps 0;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359

DB 2 GGGGAGGAAAA 13

RESULT 584

ABH17407/C

ID ABH17407 standard; DNA; 13 BP.

XX AC ABH17407;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 217384 for detecting SNP TSC0052861.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 217384; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match

Best Local Similarity 8.0%; Score 10.4; DB 1; Length 13;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATGTTTA 1413

DB 12 TAAAAATGTTTA 1

RESULT 585

ABF44938

ID ABF44938 standard; DNA; 13 BP.

XX AC ABF44938;

```

DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 144935 for detecting SNP TSC0036443.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 144935; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 1447 GGAAGATGGTT 1458
XX
XX Db 1 GGAAGATGGTT 12
XX
XX RESULT 586
XX ABF45572
XX ID ABF45572 standard; DNA; 13 BP.
XX
XX AC ABF45572;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 145569 for detecting SNP TSC0036660.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 144935; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 1398 GAGGTAAATTG 1409
XX
XX Db 1 GAGGTAAATTG 12
XX
XX RESULT 587
XX ABF46347/C
XX ID ABF46347 standard; DNA; 13 BP.
XX
XX AC ABF46347;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 146344 for detecting SNP TSC0036879.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 145569; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX Qy 1398 GAGGTAAATTG 1409
XX
XX Db 1 GAGGTAAATTG 12
XX
XX RESULT 587
XX ABF46347/C
XX ID ABF46347 standard; DNA; 13 BP.
XX
XX AC ABF46347;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 146344 for detecting SNP TSC0036879.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

PT methylation status.
 XX Claim 1; SEQ ID NO 146344; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1401 GTAAATTTGTTA 1412
 DB 12 GTAAATTTGTTA 1
 RESULT 588
 ABH32279/C
 ID ABH32279 standard; DNA; 13 BP.
 XX
 XX AC ABH32279;
 XX
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 232256 for detecting SNP TSC0056652.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPITG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 232256; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1407 TTGTTAATGATG 1418
 DB 13 TTGTTAATGATG 2
 RESULT 589
 ABF82834
 ID ABF82834 standard; DNA; 13 BP.
 XX
 XX AC ABF82834;
 XX
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 182831 for detecting SNP TSC0045175.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPITG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 182831; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1406 ATTGTTAATGAT 1417
 DB 1 ATTGTTAATGTT 12

```

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX MPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 160678; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1405 AATTGTTAATGA 1416
XX Db |||||
XX 12 AATTGTTAAGA 1
XX
XX RESULT 592
XX ABH39436
XX ID ABH39436 standard; DNA; 13 BP.
XX
XX AC ABH39436;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 239413 for detecting SNP TSC0058397.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PP Oligonucleotide SEQ ID NO 182832 for detecting SNP TSC0045175.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX MPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 182832; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1406 AATTGTTAATGAT 1417
XX Db |||||
XX 13 AATTGTTAATGTT 2
XX
XX RESULT 591
XX ABF60681/C
XX ID ABF60681 standard; DNA; 13 BP.
XX
XX AC ABF60681;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 160678 for detecting SNP TSC0040462.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 239413; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1351 GAAGAAATAT 1362
XX
XX Db 1 GAAGAAATAGAT 12
XX
XX
XX RESULT 593
XX ABF65196
XX ID ABF65196 standard; DNA; 13 BP.
XX
XX AC ABF65196;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 165193 for detecting SNP TSC0041433.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 165193; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
SQ
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1447 GGAAGATGGGTT 1458
XX
XX Db 2 GGAAGATGGGTT 13
XX
XX
XX RESULT 594
XX ABF90893/C
XX ID ABF90893 standard; DNA; 13 BP.
XX
XX AC ABF90893;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 190890 for detecting SNP TSC0046952.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 190890; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
SQ

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Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 13 TTGTTGATGATG 2
|||||
|||||

RESULT 595
ABH16872
ID ABH16872 standard; DNA; 13 BP.
XX
AC ABH16872;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 216849 for detecting SNP TSC0052703.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PT WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 216849; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 2 TTATTAATGATG 13
|||||
|||||

RESULT 596
ABF91759/c
ID ABF91759 standard; DNA; 13 BP.
XX
AC ABF91759;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191896 for detecting SNP TSC0047217.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

```


CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418

Db 2 TTGTTAATGATG 13

RESULT 600

ABC75903/c
 ID ABC75903 standard; DNA; 13 BP.

XX AC ABC75903;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 75920 for detecting SNP TSC0019454.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 75920; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGTGGGTTGAT 1461

Db 13 AAATGGGTTGAT 2

RESULT 601

ABC06933/c

ID ABC06933 standard; DNA; 13 BP.

XX AC ABC06933;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 6924 for detecting SNP TSC0002071.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 6924; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATGTTAAT 1414

Db 12 AAAATGTTAAT 1

RESULT 602

ABC81569/c

ID ABC81569 standard; DNA; 13 BP.

XX AC ABC81569;

XX DT 21-FEB-2002 (first entry)

XX XX


```
PS Claim 1; SEQ ID NO 36071; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
Db 1 TAAAAATTGTTA 12
|||||

RESULT 605
ABF12262
ID ABF12262 standard; DNA; 13 BP.
XX
AC ABF12262;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 112259 for detecting SNP TSC0028043.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 112259; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTTAA 1413
Db 1 TAAAAATTGTTA 12
|||||

RESULT 605
ABF12262
ID ABF12262 standard; DNA; 13 BP.
XX
AC ABF12262;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 112259 for detecting SNP TSC0028043.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 112259; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCGA 1366
Db 2 AAAAATATTCGA 13
|||||

RESULT 606
ABC15931
ID ABC15931 standard; DNA; 13 BP.
XX
AC ABC15931;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 15938 for detecting SNP TSC0003511.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 15938; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCGA 1366
Db 2 AAAAATATTCGA 13
|||||
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RESULT 607
ABF37830/C
ID ABF37830 standard; DNA; 13 BP.
XX
XX AC ABF37830;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 137827 for detecting SNP TSC0034453.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPiG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WIPI; 2001-657177/75.
XX
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 137827; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1356 AAAATATTCAC 1367
XX
XX DB 13 AAAATATACAC 2
XX
XX RESULT 608
ABF39222
ID ABF39222 standard; DNA; 13 BP.
XX
XX AC ABF39222;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 139219 for detecting SNP TSC0034874.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPiG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WIPI; 2001-657177/75.
XX
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 137827; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1400 GGTAATAATGTT 1411
XX
XX DB 1 GGTAATAATGTT 12
XX
XX RESULT 609
ABH20484
ID ABH20484 standard; DNA; 13 BP.
XX
XX AC ABH20484;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 220461 for detecting SNP TSC0053650.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPiG-) EPIGENOMICS AG.
XX
XX

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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 220461; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
DB 1 ATTGTTAATGAT 12
|||||
|||||

RESULT 610
ABH22459
ID ABH22459 standard; DNA; 13 BP.
XX AC ABH22459;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 222436 for detecting SNP TSC0054123.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 222436; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 0 G; 8 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
DB 2 CAGACATATACA 13
|||||
|||||

RESULT 611
ABF97648/C
ID ABF97648 standard; DNA; 13 BP.
XX AC ABF97648;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 197645 for detecting SNP TSC0005726.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 197645; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 0 G; 8 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 13 TAAATTTATTAA 2

RESULT 612
ABH00919
ID ABH00919 standard; DNA; 13 BP.
AC ABH00919;
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 200896 for detecting SNP TSC0049427.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 200896; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
XX Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CACGCATCACA 1376
Db 1 CACGCATCACA 12

RESULT 613
ABF53909
ID ABF53909 standard; DNA; 13 BP.
XX
XX ABF53909;

XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 153906 for detecting SNP TSC0038907.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 153906; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
XX Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTACA 13

RESULT 614
ABH05682
ID ABH05682 standard; DNA; 13 BP.
XX
XX ABH05682;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 205659 for detecting SNP TSC0050412.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX

CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408

DB 12 GGAGGTAAGATT 1

RESULT 617

ABH52659/c
 ID ABH52659 standard; DNA; 13 BP.

XX AC ABH52659;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 252636 for detecting SNP TSC0061629.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PS WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 252636; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGTT 1411

|||||

DB 13 GGTAGATTGTT 2

RESULT 618

ABH62907
 ID ABH62907 standard; DNA; 13 BP.

XX AC ABH62907;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 262884 for detecting SNP TSC0063773.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX PS WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 262884; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCTA 1366

DB 2 AAAAATATTCCTA 13

RESULT 619

ABC42353
 ID ABC42353 standard; DNA; 13 BP.

XX AC ABC42353;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 42370 for detecting SNP TSC0012640.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 42370; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
 XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 1385 CTTCTGATCAAA 1396
 Db 2 CTTCTTATCAAA 13
 RESULT 620
 ABC9447/C
 ID ABC49447 standard; DNA; 13 BP.
 XX AC ABC49447;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 49464 for detecting SNP TSC0013987.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 49464; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
 XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 1407 TTGTTATGATG 1418
 Db 12 TTGTTATGATG 1
 RESULT 621
 ABC5660
 ID ABC5660 standard; DNA; 13 BP.
 XX AC ABC5660;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 56677 for detecting SNP TSC0015363.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 56677; 29pp + Sequence Listing; German.
 XX

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1406 ATTGTTAATGAT 1417
 Db 1 ATTGTTAATGAT 12
 RESULT 622
 ABC32975/c
 ID ABC32975 standard; DNA; 13 BP.
 XX AC ABC32975;
 XX DT 20-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 32992 for detecting SNP TSC0010460.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 32992; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1404 AAATTGTTAATG 1415
 Db 12 AGATTGTTAATG 1
 RESULT 623
 ABF14032/c
 ID ABF14032 standard; DNA; 13 BP.
 XX AC ABF14032;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 114029 for detecting SNP TSC0028539.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX DR WPI; 2001-657177/75.
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX PT designed to detect single-nucleotide polymorphisms and cytosine
 XX PT methylation status.
 XX PS Claim 1; SEQ ID NO 114029; 29pp + Sequence Listing; German.
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX CC range of diseases including immune system, gastrointestinal, respiratory,
 XX CC central nervous system, cardiovascular and metabolic disorders. The
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX CC represent the oligomers described in the invention. NOTE: The sequence
 XX CC data for this patent did not form part of the printed specification, but
 XX CC was obtained in electronic format from WIPO at
 XX CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 5 A; 0 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1352 AAGAAAAATATT 1363
 Db 13 AATAAAATATT 2
 RESULT 624
 ABC39559/c

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ID ABC99559 standard; DNA; 13 BP.
XX AC
XX ABC99559;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 39576 for detecting SNP TSC0012093.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 39576; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1403 AAAATTGTTAAT 1414
XX ||||| |||
XX 13 AAAATTGTTAAT 2
XX
XX RESULT 625
XX ABC89794/c
XX ID ABC89794 standard; DNA; 13 BP.
XX AC
XX ABC89794;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 89811 for detecting SNP TSC0022510.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX

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XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 89811; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1434 CAGACATATACA 1445
XX ||||| |||
XX 13 CAGACATATACA 2
XX
XX Db
XX
XX RESULT 626
XX ABF20333/c
XX ID ABF20333 standard; DNA; 13 BP.
XX AC
XX ABF20333;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 120330 for detecting SNP TSC0030029.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX

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DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 120330; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 2 C; 0 G; 10 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1350 GGAAGAAAATA 1361
Db 12 GGAAGAAAATA 1
RESULT 627
ABF22877/C
ID ABF22877 standard; DNA; 13 BP.
XX
AC ABF22877;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 122874 for detecting SNP TSC0030713.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 122874; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTAAT 2
RESULT 628
ABF37599/C
ID ABF37599 standard; DNA; 13 BP.
XX
AC ABF37599;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137596 for detecting SNP TSC0034394.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137596; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1365 CACGCATCACGA 1376
Db 13 CACGCATCACTA 2

RESULT 634
ABH27319/c
ID ABH27319 standard; DNA; 13 BP.
XX
AC ABH27319;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 227296 for detecting SNP TSC0055447.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 227296; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGTAAATATT 1363
Db 13 AAGTAAATATT 2

RESULT 635
ABF82706
ID ABF82706 standard; DNA; 13 BP.
XX
AC ABF82706;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 182703 for detecting SNP TSC0045152.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 182703; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 1 TTGTTAATGAG 12

RESULT 636
ABH36663
ID ABH36663 standard; DNA; 13 BP.
XX
AC ABH36663;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 236640 for detecting SNP TSC0057760.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```


CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1446 TGAAGATGGCT 1457
 Db 2 TGAAGATGGCT 13
 |||||

RESULT 639
 ABH45513/c
 ID ABH45513 standard; DNA; 13 BP.
 XX
 AC ABH45513;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 245490 for detecting SNP TSC0059938.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 245490; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1439 ATATACATGGAA 1450
 Db 13 ATATACATGGAA 2
 |||||

RESULT 641
 ABC48791/c
 ID ABC48791 standard; DNA; 13 BP.
 XX

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAATT 1408
 Db 12 GGAGGTAAATT 1
 |||||

RESULT 640
 ABH59997/c
 ID ABH59997 standard; DNA; 13 BP.
 XX
 AC ABH59997;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 259974 for detecting SNP TSC0063118.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 259974; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 3 A; 3 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1439 ATATACATGGAA 1450
 Db 13 ATATACATGGAA 2
 |||||

RESULT 641
 ABC48791/c
 ID ABC48791 standard; DNA; 13 BP.
 XX

```

AC ABC48791;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 48808 for detecting SNP TSC0013866.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 48808; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
DB 13 AAGATTGTTAAT 2
||| |||||
||| |||||

RESULT 642
ABC01284
ID ABC01284 standard; DNA; 13 BP.
XX
AC ABC01284;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 1275 for detecting SNP TSC0000435.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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XX 18-OCT-2001.
XX
PD 06-APR-2001; 2001WO-IB0000713.
XX
PF 07-APR-2000; 2000DE-01019173.
XX
PR (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 1275; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATGTT 1411
DB 1 GGTAAATGTTT 12
||| |||||
||| |||||

RESULT 643
ABF01132/c
ID ABF01132 standard; DNA; 13 BP.
XX
AC ABF01132;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 101129 for detecting SNP TSC0025162.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX

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PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 101129; 29pp + Sequence Listing; German.
PS
PS This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1434 CAGACATATACA 1445
DB 12 CAACATATACA 1
RESULT 644
ABC03654
ID ABC03654 standard; DNA; 13 BP.
XX
XX ABC03654;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 3645 for detecting SNP TSC0001395.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 3645; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1434 CAGACATATACA 1445
DB 12 CAACATATACA 1
RESULT 644
ABC03654
ID ABC03654 standard; DNA; 13 BP.
XX
XX ABC03654;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 3645 for detecting SNP TSC0001395.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 3645; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1434 CAGACATATACA 1445
DB 12 CAACATATACA 1
RESULT 645
ABF15352
ID ABF15352 standard; DNA; 13 BP.
XX
XX ABF15352;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 115349 for detecting SNP TSC0028921.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 115349; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1449 AAGATGGGTGA 1460

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XX SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1448 GAAGATGGGTTG 1459
Db 12 GATGATGGGTTG 1

RESULT 651
ABF38163/c
ID ABF38163 standard; DNA; 13 BP.
XX AC ABF38163;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 138160 for detecting SNP TSC0034582.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 138160; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAAATAT 1362
Db 13 GAAAAAATAT 2

RESULT 652
ABF44939/c
ID ABF44939 standard; DNA; 13 BP.
XX AC ABF44939;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 144936 for detecting SNP TSC0036443.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 138160; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1364
Db 12 AAAAAAATATTC 1

RESULT 653
ABF44939/c
ID ABF44939 standard; DNA; 13 BP.
XX AC ABF44939;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 144936 for detecting SNP TSC0036443.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 138160; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1364
Db 12 AAAAAAATATTC 1

RESULT 653
ABF44939/c
ID ABF44939 standard; DNA; 13 BP.
XX AC ABF44939;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 144936 for detecting SNP TSC0036443.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 138160; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences

```


CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAAGAAAA 1359
 DB 12 GGGGAAGAAAA 1
 ||| |||||
 RESULT 656
 ABH22458/c
 ID ABH22458 standard; DNA; 13 BP.
 AC ABH22458;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 222435 for detecting SNP TSC0054123.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 OS
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 222435; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1399 AGGTAAATTTGT 1410
 DB 12 AGGTAAATTTGT 1
 ||||| |||||
 RESULT 658
 ABF49887/c
 ID ABF49887 standard; DNA; 13 BP.
 XX
 AC ABF49887;
 XX

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1434 CACACATATACA 1445
 DB 12 CACACATATACA 1
 ||| |||||
 RESULT 657
 ABH22557/c
 ID ABH22557 standard; DNA; 13 BP.
 XX
 AC ABH22557;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 222534 for detecting SNP TSC0054144.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 OS
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 222534; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1399 AGGTAAATTTGT 1410
 DB 12 AGGTAAATTTGT 1
 ||||| |||||
 RESULT 658
 ABF49887/c
 ID ABF49887 standard; DNA; 13 BP.
 XX
 AC ABF49887;
 XX


```

PT methylation status.
XX Claim 1; SEQ ID NO 216850; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
DB |||||||
12 TTATTAATGATG 1

RESULT 661
ABH58876/C
ID ABH58876 standard; DNA; 13 BP.
XX
XX ABH58876;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 258853 for detecting SNP TSC0062910.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX
XX Claim 1; SEQ ID NO 258853; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
DB |||||||
12 TTATTAATGATG 1

RESULT 662
ABH63383
ID ABH63383 standard; DNA; 13 BP.
XX
XX ABH63383;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 263360 for detecting SNP TSC0063865.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
PT
XX
XX Claim 1; SEQ ID NO 263360; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAACCAATA 1471
DB |||||||
1 ATCAACCAATA 12

```



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PA (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 77736; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC000010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1406 ATTGTTAATGAT 1417
DB 12 ATTATTAAATGAT 1
XX
RESULT 666
ABC03657/C
ID ABC03657 standard; DNA; 13 BP.
XX
AC ABC03657;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 3648 for detecting SNP TSC0001395.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 3648; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC000010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1352 AAGAAATATATT 1363
DB 12 AAGAAATATATT 1
XX
RESULT 667
ABC58964
ID ABC58964 standard; DNA; 13 BP.
XX
AC ABC58964;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 58981 for detecting SNP TSC0015803.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 58981; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC000010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 1 Other;
XX

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RESULT 669
ABC91954/C
TD ABC919

PN WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 170192; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1435 AGACATATACAT 1446
 DB 1 AAACATATACAT 12
 RESULT 671
 ABF46466
 ID ABF46466 standard; DNA; 13 BP.
 XX
 AC ABF46466;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 146463 for detecting SNP TSC0036932.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1435 AGACATATACAT 1446
 DB 1 AAACATATACAT 12
 RESULT 671
 ABF46466
 ID ABF46466 standard; DNA; 13 BP.
 XX
 AC ABF46466;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 146463 for detecting SNP TSC0036932.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAGAGAAAA 1359
 DB 2 GGGGAGAGAAAA 13
 RESULT 672
 ABF71863
 ID ABF71863 standard; DNA; 13 BP.
 XX
 AC ABF71863;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 171860 for detecting SNP TSC0042837.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 171860; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
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 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAGAGAAAA 1359
 DB 2 GGGGAGAGAAAA 13

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 146463; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
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 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAGAGAAAA 1359
 DB 2 GGGGAGAGAAAA 13
 RESULT 672
 ABF71863
 ID ABF71863 standard; DNA; 13 BP.
 XX
 AC ABF71863;
 XX
 XX 22-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 171860 for detecting SNP TSC0042837.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 171860; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAGAGAAAA 1359
 DB 2 GGGGAGAGAAAA 13

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAATTTGTTAA 1413
Db 2 TAAATTTATTAA 13
RESULT 673
ID ABF47960 standard; DNA; 13 BP.
XX AC ABF47960;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 147957 for detecting SNP TSC0037358.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX OS Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 147957; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 2 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1373 ACGAGCGATCGT 1384
Db 1 ATGAGCGATCGT 12
RESULT 674
ID ABF98426/c
XX AC ABF98426;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 198423 for detecting SNP TSC0008139.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX OS Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 198423; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTACA 1
RESULT 675
ID ABF50065/c
XX AC ABF50065;
XX DT 21-FEB-2002 (first entry)
XX

QY 1373 ACGAGCGATCGT 1384
Db 1 ATGAGCGATCGT 12
RESULT 674
ID ABF98426/c
XX AC ABF98426;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 198423 for detecting SNP TSC0008139.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX OS Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 198423; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTACA 1
RESULT 675
ID ABF50065/c
XX AC ABF50065;
XX DT 21-FEB-2002 (first entry)
XX

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DE Oligonucleotide SEQ ID NO 150062 for detecting SNP TSC0037873.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 150062; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1401 GTAAATTTGTTA 1412
DB 13 GTAAATTTTGA 2
XX
RESULT 676
ABF51930/C
ID ABF51930 standard; DNA; 13 BP.
XX
AC ABF51930;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 151927 for detecting SNP TSC0038388.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 151927; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1401 GTAAATTTGTTA 1412
DB 13 GTAAATTTTGA 2
XX
RESULT 677
ABH28590
ID ABH28590 standard; DNA; 13 BP.
XX
AC ABH28590;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 228567 for detecting SNP TSC0055748.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

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PS Claim 1; SEQ ID NO 228567; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAAAT 1407
DB 2 AGTAGGTAAAAAT 13
RESULT 679
ABF53908/C
ID ABF53908 standard; DNA; 13 BP.
XX
AC ABF53908;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153905 for detecting SNP TSC0038907.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 153905; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAAAT 1407
DB 2 AGTAGGTAAAAAT 13
RESULT 679
ABF53908/C
ID ABF53908 standard; DNA; 13 BP.
XX
AC ABF53908;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153905 for detecting SNP TSC0038907.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 153905; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1396 AGGAGGTAAAAAT 1407
DB 2 AGTAGGTAAAAAT 13
RESULT 679
ABH07449/C
ID ABH07449 standard; DNA; 13 BP.
XX
AC ABH07449;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 207426 for detecting SNP TSC0004531.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 207426; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1348 GGGGAGTAAAAA 1359
DB 12 GGGGAGTAAAAA 1
```

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RESULT 680
ABF58580
ID ABF58580 standard; DNA; 13 BP.
XX AC ABF58580;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 158577 for detecting SNP TSC0039915.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN W0200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PS Claim 1; SEQ ID NO 158577; 29pp + Sequence Listing; German.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 158577; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Sequence 13 BP; 7 A; 1 C; 1 G; 4 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1402 TAAATTCGTAA 1413
XX Db 1 TAAATTCGTAA 12
XX
XX RESULT 681
ABH14423/C
ID ABH14423 standard; DNA; 13 BP.
XX AC ABH14423;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 214400 for detecting SNP TSC0052153.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN W0200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PS Claim 1; SEQ ID NO 158577; 29pp + Sequence Listing; German.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 158577; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1352 AAGAAATATATT 1363
XX Db 13 AAGAAATATATT 2
XX
XX RESULT 682
ABH60057/C
ID ABH60057 standard; DNA; 13 BP.
XX AC ABH60057;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 260034 for detecting SNP TSC0007828.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN W0200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PS Claim 1; SEQ ID NO 214400; 29pp + Sequence Listing; German.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX
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XX OS Homo sapiens.
XX PN W0200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PS Claim 1; SEQ ID NO 214400; 29pp + Sequence Listing; German.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 214400; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1352 AAGAAATATATT 1363
XX Db 13 AAGAAATATATT 2
XX
XX RESULT 682
ABH60057/C
ID ABH60057 standard; DNA; 13 BP.
XX AC ABH60057;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 260034 for detecting SNP TSC0007828.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN W0200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PS Claim 1; SEQ ID NO 214400; 29pp + Sequence Listing; German.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX
```

PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX
 XX Claim 1; SEQ ID NO 260034; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1404 AATTGTTAATG 1415
 DB 12 AGATTGTTAATG 1
 RESULT 683
 ABF01133
 ID ABF01133 standard; DNA; 13 BP.
 AC ABF01133;
 XX
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 101130 for detecting SNP TSC0025162.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 FN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX
 XX Claim 1; SEQ ID NO 101130; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1404 AATTGTTAATG 1415
 DB 12 AGATTGTTAATG 1
 RESULT 684
 ABC62590
 ID ABC62590 standard; DNA; 13 BP.
 AC ABC62590;
 XX
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 62607 for detecting SNP TSC0016595.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 OS
 XX WO200177384-A2.
 FN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX
 XX Claim 1; SEQ ID NO 62607; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 3 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 PT methylation status.

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Best Local Similarity 91.7%; Pred. No. 3.5e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 11; Conservative 0;

QY 1447 GGAAGATGGGTT 1458
Db 1 GGAAGGTGGGTT 12
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RESULT 685
ABC40793/C
ID ABC40793 standard; DNA; 13 BP.
XX
AC ABC40793;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 40810 for detecting SNP TSC0012339.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 40810; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 5 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAGAGAAA 1358
Db 12 AGGGGAGAGAAA 1
|||||
|||||

RESULT 686
ABC40997/C
ID ABC40997 standard; DNA; 13 BP.
XX
AC ABC40997;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AAAAAAATATT 2
|||||
|||||

RESULT 687
ABF17060
ID ABF17060 standard; DNA; 13 BP.
XX
AC ABF17060;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117057 for detecting SNP TSC0029297.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 117057; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1404 AAATTGTTAATG 1415
 Db 2 AAATAGTTAATG 13
 ||||| |||||
 ||||| |||||
 RESULT 689
 ABH20192
 ID ABH20192 standard; DNA; 13 BP.
 XX
 AC ABH20192;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 220169 for detecting SNP TSC0053577.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 XX
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 220169; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 7 A; 1 C; 3 G; 2 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1394 AAAGGAGGTAA 1405
 Db 1 AAAGGACGTAA 12
 ||||| |||||
 ||||| |||||
 RESULT 689
 ABF26932
 ID ABF26932 standard; DNA; 13 BP.
 XX
 AC ABF26932;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 XX Oligonucleotide SEQ ID NO 126929 for detecting SNP TSC0031761.
 DE
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
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 XX (EPIG-) EPIGENOMICS AG.
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 XX Olek A, Piepenbrock C, Berlin K;
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 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
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 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGCTAAAA 1406
 |||||
 DB 1 AAGGGGGTAAAA 12
 |||||

RESULT 690
 ABF97455/c
 ID ABF97455 standard; DNA; 13 BP.
 XX AC ABF97455;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 197452 for detecting SNP TSC0048601.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 197452; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAATGATGA 1419
 |||||

Db 13 TTTTAATGATGA 2
 RESULT 691
 ABF72949/c
 ID ABF72949 standard; DNA; 13 BP.
 XX AC ABF72949;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 172946 for detecting SNP TSC0043092.
 XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 172946; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
 |||||
 DB 12 AAGATAAATATT 1
 |||||

RESULT 692
 ABF48009
 ID ABF48009 standard; DNA; 13 BP.
 XX AC ABF48009;
 XX DT 21-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 148006 for detecting SNP TSC0037367.
 XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 148006; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 1355 AAAATATATCCCA 1366
 DB 1 AAAATATCTCCA 12
 RESULT 693
 ABF53540
 ID ABF53540 standard; DNA; 13 BP.
 XX AC ABF53540;
 XX 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 153537 for detecting SNP TSC0038815.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 153537; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 OY 1448 GAAGATGCTGTTG 1459
 DB 2 GAAGATGCTTTG 13
 RESULT 694
 ABH34871/c
 ID ABH34871 standard; DNA; 13 BP.
 XX AC ABH34871;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 234848 for detecting SNP TSC0057330.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 234848; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412

DB 12 GTAAATTTGTTA 1

RESULT 695

ABH14422

ID ABH14422 standard; DNA; 13 BP.

XX AC ABH14422;

XX XX

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 214399 for detecting SNP TSC0052153.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 214399; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363

DB 1 AAGAAATATATT 12

RESULT 696

ABF9805

ID ABF9805 standard; DNA; 13 BP.

XX AC ABF9805;

XX XX

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 189802 for detecting SNP TSC0046704.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

PS Claim 1; SEQ ID NO 189802; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTTCCAC 1367

DB 1 ACAATATTTCCAC 12

RESULT 697

ABH57680/c


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DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 42368; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1385 CTTCTCATCAA 1396
Db 2 CTTCTCATCAA 13
XX
RESULT 700
ABC20168/c
ID ABC20168 standard; DNA; 13 BP.
XX
AC ABC20168;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20185 for detecting SNP TSC0004139.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20185; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1385 CTTCTCATCAA 1396
Db 2 CTTCTCATCAA 13
XX
RESULT 701
ABC32536
ID ABC32536 standard; DNA; 13 BP.
XX
AC ABC32536;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 32553 for detecting SNP TSC0010157.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 32553; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 3 G; 7 T; 0 U; 0 Other;
    Query Match      8.0%; Score 10.4; DB 1; Length 13;
    Best Local Similarity 91.7%; Pred. No. 3.5e+02;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAGCAATA 1471
Db 12 ATCAGCAATA 1

RESULT 707
ABF71862/c
ID ABF71862 standard; DNA; 13 BP.
XX
AC ABF71862;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171859 for detecting SNP TSC0042837.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PP 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171859; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
    Query Match      8.0%; Score 10.4; DB 1; Length 13;
    Best Local Similarity 91.7%; Pred. No. 3.5e+02;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTTAA 1413
Db 12 TAAAAATTATTAA 1

RESULT 708
ABF49829/c
ID ABF49829 standard; DNA; 13 BP.
XX
AC ABF49829;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 149826 for detecting SNP TSC0037804.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PP 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 149826; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
    Query Match      8.0%; Score 10.4; DB 1; Length 13;
    Best Local Similarity 91.7%; Pred. No. 3.5e+02;
    Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAA 1414
Db 13 AAAATTGTTAA 2

RESULT 709
ABF52801/c
ID ABF52801 standard; DNA; 13 BP.
XX
AC ABF52801;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 152798 for detecting SNP TSC0038616.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```


KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 152798; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAAT 1414
 Db 13 AAAATTGTTAAT 2
 RESULT 710
 ABH06975/c
 ID ABH06975 standard; DNA; 13 BP.
 AC ABH06975;
 XX
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 206952 for detecting SNP TSC0050640.
 DE
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 206952; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
 SQ
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAAT 1414
 Db 12 AAAATTGTTAAT 1
 RESULT 711
 ABF82707/c
 ID ABF82707 standard; DNA; 13 BP.
 AC ABF82707;
 XX
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 182704 for detecting SNP TSC0045152.
 DE
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB0000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 182704; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
 Db 13 TTGTTAATGAAG 2

RESULT 712

ABH46550/C
 ID ABH46550 standard; DNA; 13 BP.

XX AC ABH46550;

DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 246527 for detecting SNP TSC0008909.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 246527; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCAC 1365
 Db 13 AAAAATATACCA 2

RESULT 713

ABH53510/C
 ID ABH53510 standard; DNA; 13 BP.

XX AC ABH53510;

DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 253487 for detecting SNP TSC0007617.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 253487; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1365 CACGCATCACA 1376
 Db 12 CACGCATCACTA 1

RESULT 714

ABH59028
 ID ABH59028 standard; DNA; 13 BP.

XX

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AC ABH59028;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 259005 for detecting SNP TSC0062939.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
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XX WO200177384-A2.
XX
XX
PD 18-OCT-2001.
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XX
PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 259005; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
XX
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1347 AGGGGAAGAAAA 1358
DB |||||
2 AGGGGAAGTAAA 13
RESULT 715
ABH60056
ID ABH60056 standard; DNA; 13 BP.
XX
XX
AC ABH60056;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 250033 for detecting SNP TSC0007828.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
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XX WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 260033; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1404 AAATTGTTAATG 1415
DB |||||
2 AGATTGTTAATG 13
RESULT 716
ABH60296
ID ABH60296 standard; DNA; 13 BP.
XX
XX
AC ABH60296;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 260273 for detecting SNP TSC0006237.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
XX WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX

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PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 260273; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
 XX
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1396 AGGAGGTAAAT 1407
 Db 2 AGGATGTAAAT 13
 XXXX
 RESULT 717
 ABC44405/c
 ID ABC44405 standard; DNA; 13 BP.
 XX
 AC ABC44405;
 XX
 DT 21-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 44422 for detecting SNP TSC0013036.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 44422; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;
 XX
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1403 AAAATTCGTTAAT 1414
 Db 13 AAAATTCGTTAT 2
 XXXX
 RESULT 718
 ABC23453
 ID ABC23453 standard; DNA; 13 BP.
 XX
 AC ABC23453;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 23470 for detecting SNP TSC0004976.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 23470; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
 XX
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1355 AAAATATTCCA 1366

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Db      ||||| |||
        2 AAAAATATCCCA 13

RESULT 719
ID ABC58965 standard; DNA; 13 BP.
XX
AC ABC58965;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 58982 for detecting SNP TSC0015803.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 58982; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 1 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1349 GCGAAGAAAAAT 1360
Db 13 GCGAAGAAAAAT 2
||||| |||||

RESULT 720
ID ABF10760 standard; DNA; 13 BP.
XX
AC ABF10760;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 110757 for detecting SNP TSC0027637.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 110757; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAGAAAAATATT 12
||||| |||||

RESULT 721
ID ABC13614 standard; DNA; 13 BP.
XX
AC ABC13614;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 13621 for detecting SNP TSC0003139.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

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XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1452 ATGGGTTGATCA 1463
Db 12 ATGGGTTGATTA 1

RESULT 724
ABF17059/C
XX ID ABF17059 standard; DNA; 13 BP.
XX AC ABF17059;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 117056 for detecting SNP TSC0029297.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 117056; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 13 AAAGGAGGTAAA 2

RESULT 725

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ABF25130
XX ID ABF25130 standard; DNA; 13 BP.
XX AC ABF25130;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 125127 for detecting SNP TSC0031262.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 125127; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 1 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTAATGAT 1417
Db 1 ATTGTAATGAT 12

RESULT 726
ABF37831
XX ID ABF37831 standard; DNA; 13 BP.
XX AC ABF37831;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 137828 for detecting SNP TSC0034453.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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OS Homo sapiens.
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XX WO200177384-A2.
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XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 137828; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC000010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCCAC 12
||||| |||

RESULT 727
ABF70638
XX
XX ABF70638 standard; DNA; 13 BP.
XX
XX ABF70638;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 170635 for detecting SNP TSC0042571.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 148004; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC000010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1441 ATACATGGAAGA 1452
Db 2 ATAAATGGAAGA 13
||||| |||

RESULT 728
ABF48007
XX
XX ABF48007 standard; DNA; 13 BP.
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 148004 for detecting SNP TSC0037367.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 148004; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC000010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1441 ATACATGGAAGA 1452
Db 2 ATAAATGGAAGA 13
||||| |||

```


CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366
 DB 1 AAAAATTTTCCA 12

RESULT 729

ABF48008/c
 ID ABF48008 standard; DNA; 13 BP.

XX AC ABF48008;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 148005 for detecting SNP TSC0037367.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 148005; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1355 AAAAATATTTCCA 1366
 DB 13 AAAAATCTTCCA 2

RESULT 730

ABH23902/c
 ID ABH23902 standard; DNA; 13 BP.

XX AC ABH23902;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 223879 for detecting SNP TSC0054529.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 223879; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATT 1363

DB 12 AAAAAAATATT 1

RESULT 731

ABF50206/c
 ID ABF50206 standard; DNA; 13 BP.

XX AC ABF50206;

XX

```

DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 150203 for detecting SNP TSC0037911.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 150203; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Claim 1; SEQ ID NO 150203; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 1; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1355 AAAAATATTCCA 1366
DB 13 AAAAATATTACA 2
RESULT 732
ABH03122
ID ABH03122 standard; DNA; 13 BP.
XX
XX ABH03122;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 203099 for detecting SNP TSC0049882.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 203099; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 1; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAAT 1414
DB 1 AAAATTGTTATT 12
RESULT 733
ABF53541/C
ID ABF53541 standard; DNA; 13 BP.
XX
XX ABF53541;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 153538 for detecting SNP TSC0038815.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

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PT methylation status.
 XX Claim 1; SEQ ID NO 153538; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1448 GAAGATGGTTG 1459
 DB 12 GAAGATGGTTG 1
 RESULT 734
 ABH07448
 ID ABH07448 standard; DNA; 13 BP.
 AC ABH07448;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 207425 for detecting SNP TSC0004531.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 PF 06-APR-2001; 2001WO-IB000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 207425; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1448 GAAGATGGTTG 1459
 DB 12 GAAGATGGTTG 1
 RESULT 734
 ABH07448
 ID ABH07448 standard; DNA; 13 BP.
 AC ABH07448;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 207425 for detecting SNP TSC0004531.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 PF 06-APR-2001; 2001WO-IB000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 207425; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAAGTAAAA 1359
 DB 2 GGGGAAGTAAAA 13
 RESULT 735
 ABF61204/c
 ID ABF61204 standard; DNA; 13 BP.
 AC ABF61204;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 161201 for detecting SNP TSC0040584.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 PF 06-APR-2001; 2001WO-IB000713.
 PR 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 161201; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1434 CACACATATACA 1445
 DB 12 CACACATATACA 1

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RESULT 736
ABC20169
ID ABC20169 standard; DNA; 13 BP.
XX
AC ABC20169;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20186 for detecting SNP TSC0004139.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20186; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAAGCAATA 1471
Db 1 ATCAACAAATA 12
|||||
1 ATCAACAAATA 12

RESULT 737
ABC23452/c
ID ABC23452 standard; DNA; 13 BP.
XX
AC ABC23452;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 23469 for detecting SNP TSC0004976.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20186; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATCCCA 1366
Db 12 AAAAATATCCCA 1
|||||
12 AAAAATATCCCA 1

RESULT 738
ABC77718
ID ABC77718 standard; DNA; 13 BP.
XX
AC ABC77718;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 77735 for detecting SNP TSC0019794.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

```

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 77735; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. NO. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1406 ATTGTTAATGAT 1417
 DB 2 ATTATTAATGAT 13
 |||||
 |||||

RESULT 739
 ABC54060/c
 ID ABC54060 standard; DNA; 13 BP.
 XX ABC54060;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 54077 for detecting SNP TSC0014866.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 54077; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. NO. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1406 ATTGTTAATGAT 1417
 DB 2 ATTATTAATGAT 13
 |||||
 |||||

RESULT 740
 ABC56661/c
 ID ABC56661 standard; DNA; 13 BP.
 XX ABC56661;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 56678 for detecting SNP TSC0015363.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 56678; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
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 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
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 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

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Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 13 ATTGTTAATGAT 2

RESULT 741
ABC32537/c
ID ABC32537 standard; DNA; 13 BP.
XX
AC ABC32537;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 32554 for detecting SNP TSC0010157.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 32554; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
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-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATAT 1362
Db 12 GAAGAAAATAT 1

RESULT 742
ABC33430
ID ABC33430 standard; DNA; 13 BP.

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XX
AC ABC33430;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 33447 for detecting SNP TSC0010636.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 33447; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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XX
Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
XX
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATG 1409
Db 1 GAGGTAAATG 12

RESULT 743
ABC33431/c
ID ABC33431 standard; DNA; 13 BP.
XX
AC ABC33431;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 33448 for detecting SNP TSC0010636.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

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PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 33448; 29pp + Sequence Listing; German.
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CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
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Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1398 GAGGTAAAGTTG 1409
Db 13 GAGGTAAAGTTG 2
XXXXXXXXXX
RESULT 744
ABC10549/c
ID ABC10549 standard; DNA; 13 BP.
XX
AC ABC10549;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 10540 for detecting SNP TSC0002658.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
XX
DE Oligonucleotide SEQ ID NO 10540 for detecting SNP TSC0002658.
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KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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OS Homo sapiens.
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PN WO200177384-A2.
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PR 07-APR-2000; 2000DE-01019173.
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PA (EPITG-) EPIGENOMICS AG.
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PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
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PT methylation status.
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PS Claim 1; SEQ ID NO 33448; 29pp + Sequence Listing; German.
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CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
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SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1398 GAGGTAAAGTTG 1409
Db 13 GAGGTAAAGTTG 2
XXXXXXXXXX
RESULT 745
ABC62591/c
ID ABC62591 standard; DNA; 13 BP.
XX
AC ABC62591;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 62608 for detecting SNP TSC0016595.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
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PT methylation status.
XX
PS Claim 1; SEQ ID NO 62608; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
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XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1352 AAGAAATATTT 1363
Db 13 AAGAAATATTT 2
XXXXXXXXXX
RESULT 745
ABC62591/c
ID ABC62591 standard; DNA; 13 BP.
XX
AC ABC62591;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 62608 for detecting SNP TSC0016595.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
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OS Homo sapiens.
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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DR WPI; 2001-657177/75.
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
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SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
```

CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
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SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1447 GGAAGATGGGTT 1458
Db 13 GGAAGTGGGTT 2
RESULT 746
ABF25131/c
ID ABF25131 standard; DNA; 13 BP.
XX
AC ABF25131;
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 125128 for detecting SNP TSC0031262.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
FS Claim 1; SEQ ID NO 125128; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1447 GGAAGATGGGTT 1458
Db 13 GGAAGTGGGTT 2
RESULT 748
ABF70639/c
ID ABF70639 standard; DNA; 13 BP.
XX
AC ABF70639;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 170191 for detecting SNP TSC0042491.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
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XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
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PT methylation status.
XX
FS Claim 1; SEQ ID NO 170191; 29pp + Sequence Listing; German.
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1406 ATTGTTAATGAT 1417
Db 13 ATTGATAATGAT 2
RESULT 747
ABF70194/c
ID ABF70194 standard; DNA; 13 BP.
XX
AC ABF70194;
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 170191 for detecting SNP TSC0042491.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
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PT methylation status.
XX
FS Claim 1; SEQ ID NO 170191; 29pp + Sequence Listing; German.
XX
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CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1435 AGACATATACAT 1446
Db 13 AAACATATACAT 2
RESULT 748
ABF70639/c
ID ABF70639 standard; DNA; 13 BP.
XX
AC ABF70639;
DT 22-FEB-2002 (first entry)
XX


```
PS Claim 1; SEQ ID NO 228216; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 1 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1364
Db 1 AAAAAAATATTC 12
|||||

RESULT 751
ABF58577/C
ID ABF58577 standard; DNA; 13 BP.
XX
AC ABF58577;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 158574 for detecting SNP TSC0039915.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158574; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at

PS Claim 1; SEQ ID NO 228216; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAAATGTTAA 1413
Db 13 TAAAAATGTTAA 2
|||||

RESULT 752
ABF91361
ID ABF91361 standard; DNA; 13 BP.
XX
AC ABF91361;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191358 for detecting SNP TSC0047086.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 191358; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1359 ATATTCCACGCA 1370
Db 1 ATATTCCACCCA 12
|||||
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RESULT 753
ABH41841
ID ABH41841 standard; DNA; 13 BP.
XX
XX ABH41841;
AC
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 241818 for detecting SNP TSC0059966.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
PN
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 241818; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCCAC 12
RESULT 754
ABH62906/c
ID ABH62906 standard; DNA; 13 BP.
XX
XX ABH62906;
AC
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 262883 for detecting SNP TSC0063773.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```

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XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 262883; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 1355 AAAATATTCCCA 1366
Db 12 AAAATATTCCCA 1
RESULT 755
ABH63382/c
ID ABH63382 standard; DNA; 13 BP.
XX
XX ABH63382;
AC
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 263359 for detecting SNP TSC0063865.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
XX
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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 263359; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAAGCAATA 1471
Db 13 ATCAACAAATA 2
|||||
13 ATCAACAAATA 2

RESULT 756
ABC03650/c
ID ABC03650 standard; DNA; 13 BP.
XX AC ABC03650;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 3641 for detecting SNP TSC0001395.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 3641; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAATATT 1363
Db 12 AAAAAAATATT 1
|||||
12 AAAAAAATATT 1

RESULT 757
ABC03656
ID ABC03656 standard; DNA; 13 BP.
XX AC ABC03656;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 3647 for detecting SNP TSC0001395.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 3647; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;

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```
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAATATTT 1363
DB 2 AAGATAATATT 13

RESULT 758
ABC64527/c
ID ABC64527 standard; DNA; 13 BP.
XX
AC ABC64527;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64544 for detecting SNP TSC0017022.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 64544; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 7 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTG 1459
DB 12 GAGGATGGGTG 1

RESULT 759
ABC15930/c
ID ABC15930 standard; DNA; 13 BP.
XX
AC ABC15930;

Best Local Similarity 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATTTCCA 1366
DB 12 AAAAAATATTTCCA 1

RESULT 760
ABF16837
ID ABF16837 standard; DNA; 13 BP.
XX
AC ABF16837;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 116834 for detecting SNP TSC0029237.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
```


CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
 |||||
 2 GATGATGGGTTG 13

RESULT 763
 ABH17367/c
 ID ABH17367 standard; DNA; 13 BP.

XX AC ABH17367;

XX DT 22-FEB-2002 (first entry)

DE DE Oligonucleotide SEQ ID NO 217344 for detecting SNP TSC0052841.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 217344; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAAAAA 1359
 |||||

Db 12 GGGGGAGAAAAA 1

RESULT 764

ABF96029
 ID ABF96029 standard; DNA; 13 BP.

XX AC ABF96029;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 196026 for detecting SNP TSC0048236.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 196026; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363

DB 2 AATAAAAAATATT 13

RESULT 765

ABF46346
 ID ABF46346 standard; DNA; 13 BP.

XX AC ABF46346;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 146343 for detecting SNP TSC0036879.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 146343; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1401 GTAAATTTGTTA 1412
 Db 2 GTAAATTTGTTA 13
 |||||
 |||||
 RESULT 766
 ABF48006/c
 ID ABF48006 standard; DNA; 13 BP.
 XX AC ABF48006;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 148003 for detecting SNP TSC0037367.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 PI WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 148003; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1355 AAAAATTTTCCA 1366
 Db 13 AAAAATTTTCCA 2
 |||||
 |||||
 RESULT 767
 ABF50697
 ID ABF50697 standard; DNA; 13 BP.
 XX AC ABF50697;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 150694 for detecting SNP TSC0038026.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 150694; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1355 AAAAATTTTCCA 1366
 Db 13 AAAAATTTTCCA 2
 |||||
 |||||

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
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 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
 |||||
 Db 1 CACACATATACA 12

RESULT 768
 ABH28163/c
 ID ABH28163 standard; DNA; 13 BP.

XX AC ABH28163;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 228140 for detecting SNP TSC0055636.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 228140; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
 |||||
 Db 12 TTGTTAATGATG 1

RESULT 769
 ABH28234/c
 ID ABH28234 standard; DNA; 13 BP.

XX AC ABH28234;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 228211 for detecting SNP TSC0004626.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB0000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 228211; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
 |||||
 Db 13 AGAAAAATATTC 2

RESULT 770
 ABH05683/c

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ID ABH05683 standard; DNA; 13 BP.
XX AC ABH05683;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 205660 for detecting SNP TSC0050412.
XX DN SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX DN Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 205660; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX PS Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1392 TCNAGGAGGTA 1403
DB 13 TAAAGGAGGTA 2
RESULT 771
ABF58581/C
XX AC ABF58581 standard; DNA; 13 BP.
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 158578 for detecting SNP TSC0039915.
XX DN SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
ID ABH10208 standard; DNA; 13 BP.
XX AC ABH10208;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 210185 for detecting SNP TSC0051322.
XX DN SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX DN Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 158578; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX PS Sequence 13 BP; 4 A; 1 C; 1 G; 7 T; 0 U; 0 Other;
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1402 TAAATGTTAA 1413
DB 13 TAAATCGTTAA 2
RESULT 772
ABH10208
XX AC ABH10208 standard; DNA; 13 BP.
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 210185 for detecting SNP TSC0051322.
XX DN SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX DN Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 205660; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX PS Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
XX CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1392 TCNAGGAGGTA 1403
DB 13 TAAAGGAGGTA 2
RESULT 771
ABF58581/C
XX AC ABF58581 standard; DNA; 13 BP.
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 158578 for detecting SNP TSC0039915.
XX DN SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

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DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 210185; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1398 GAGGTAAATG 1409
Db 2 GAGGTATAATG 13
||||| |||||
2 GAGGTATAATG 13
RESULT 773
ABH36662/C
ID ABH36662 standard; DNA; 13 BP.
XX
XX ABH36662;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 236639 for detecting SNP TSC0057760.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 236639; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1398 GAGGTAAATG 1409
Db 2 GAGGTATAATG 13
||||| |||||
2 GAGGTATAATG 13
RESULT 774
ABF65710
ID ABF65710 standard; DNA; 13 BP.
XX
XX ABF65710;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 165707 for detecting SNP TSC0041557.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
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XX (EPIG-) EPIGENOMICS AG.
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XX Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 165707; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1446 TGAAGATCGGT 1457
 Db 2 TGAAGATCGGT 13
 RESULT 775
 ABH45508
 ID ABH45508 standard; DNA; 13 BP.
 XX
 AC ABH45508;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 245485 for detecting SNP TSC0059938.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 245485; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
 CC
 CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 QY 1397 GGAGGTAAATTT 1408
 Db 2 GGAGGTAAATTT 13
 RESULT 776
 ABH45512
 ID ABH45512 standard; DNA; 13 BP.
 XX
 AC ABH45512;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 260274 for detecting SNP TSC0006237.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
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 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 245485; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;
 CC
 CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 QY 1397 GGAGGTAAATTT 1408
 Db 2 GGAGGTAAATTT 13
 RESULT 776
 ABH45512
 ID ABH45512 standard; DNA; 13 BP.
 XX
 AC ABH45512;
 XX
 DT 22-FEB-2002 (first entry)
 XX

XX
 DE Oligonucleotide SEQ ID NO 245489 for detecting SNP TSC0059938.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 245489; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 1 C; 5 G; 3 T; 0 U; 0 Other;
 CC
 CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 CC
 QY 1397 GGAGGTAAATTT 1408
 Db 2 GGAGGTAAATTT 13
 RESULT 777
 ABH60297/C
 ID ABH60297 standard; DNA; 13 BP.
 XX
 AC ABH60297;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 260274 for detecting SNP TSC0006237.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX


```
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 2 TAAATTTGTTAA 13

RESULT 780
ABF15147/c
ID ABF15147 standard; DNA; 13 BP.
XX
AC ABF15147;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 115144 for detecting SNP TSC0028844.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 115144; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 13 GTAAATTTGTTA 2

RESULT 780
ABF42025/c
ID ABF42025 standard; DNA; 13 BP.
XX
AC ABF42025;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 142022 for detecting SNP TSC0035574.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 142022; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 0 A; 7 C; 0 G; 6 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAAGAAAAA 1359
 Db ||||| |||||
 12 GGGGAGGAAAAA 1
 RESULT 783
 ABH20485/c
 ID ABH20485 standard; DNA; 13 BP.
 AC ABH20485;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 220462 for detecting SNP TSC0053650.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 220462; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
 SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1406 ATTGTTAATGAT 1417
 Db ||||| |||||
 13 ATTTTAAATGAT 2
 RESULT 784
 ABH06974
 ID ABH06974 standard; DNA; 13 BP.
 AC ABH06974;
 XX 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 206951 for detecting SNP TSC0050640.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 206951; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 8 A; 0 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
 Db 2 AAAATTGTTAAT 13
 ||||| |||||

RESULT 785
 ABF58576
 ID ABF58576 standard; DNA; 13 BP.
 AC ABF58576;
 XX
 XX 21-FEB-2002 (first entry)
 DT
 DE Oligonucleotide SEQ ID NO 158573 for detecting SNP TSC0039915.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX
 XX WPI; 2001-657177/75.
 DR
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 158573; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATGTTAA 1413
 Db 1 TAAAAATGTTAA 12
 ||||| |||||

RESULT 786
 ABH39437/c
 ID ABH39437 standard; DNA; 13 BP.
 XX
 AC ABH39437;
 XX
 XX 22-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide SEQ ID NO 239414 for detecting SNP TSC0058397.
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX
 XX WPI; 2001-657177/75.
 DR
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 239414; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 3 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
 Db 13 GAAGAAAAAGAT 2
 ||||| |||||

RESULT 787
 ABF91758
 ID ABF91758 standard; DNA; 13 BP.
 XX

AC ABF91758;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 191755 for detecting SNP TSC0047176.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 191755; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
 XX
 CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1407 TTGTTAATGATG 1418
 Db 1 TTATTAAATGATG 12
 XX
 RESULT 788
 ABH45029/c
 ID ABH45029 standard; DNA; 13 BP.
 XX
 AC ABH45029;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 245006 for detecting SNP TSC0059825.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX

XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 245006; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
 XX
 CC Query Match 8.0%; Score 10.4; DB 1; Length 13;
 CC Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 CC Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1401 GTAAATTTGTTA 1412
 Db 12 GTAAATTTGTTA 1
 XX
 RESULT 789
 ABH46551
 ID ABH46551 standard; DNA; 13 BP.
 XX
 AC ABH46551;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 246528 for detecting SNP TSC0008909.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 246528; 29pp + Sequence Listing; German.

PS

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

XX

XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366
 |||||

Db 1 AAAAATATACCA 12

RESULT 790

ABC95962

ID ABC95962 standard; DNA; 13 BP.

XX

AC ABC95962;

XX

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 95979 for detecting SNP TSC0023864.

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

XX

XX WO200177384-A2.

XX

XX 18-OCT-2001.

XX

XX 06-APR-2001; 2001WO-IB000713.

XX

XX 07-APR-2000; 2000DE-01019173.

XX

XX (EPITG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

XX WPI; 2001-657177/75.

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 95979; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX

XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

XX

XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTTATGATG 1418
 |||||

Db 2 TTGTTTATGATG 13

RESULT 791

ABC54061

ID ABC54061 standard; DNA; 13 BP.

XX

AC ABC54061;

XX

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 54078 for detecting SNP TSC0014866.

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX

OS Homo sapiens.

XX

XX WO200177384-A2.

XX

XX 18-OCT-2001.

XX

XX 06-APR-2001; 2001WO-IB000713.

XX

XX 07-APR-2000; 2000DE-01019173.

XX

XX (EPITG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

XX WPI; 2001-657177/75.

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 54078; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX

XX Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

XX

XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTTCCA 1366

```

Db      2 AAAAAATTTTCA 13
|||||
RESULT 792
ABCS8194/C
ID ABC58194 standard; DNA; 13 BP.
XX
XX AC ABC58194;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 58211 for detecting SNP TSC0015625.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 110669; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1360 TATTCCACGCAT 1371
XX |||||
XX 13 TACTCCACGCAT 2
XX
XX RESULT 793
XX ABF10672
XX ID ABF10672 standard; DNA; 13 BP.
XX
XX AC ABF10672;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 110669 for detecting SNP TSC0027619.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 58211; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1406 ATTGTTAATGAT 1417
XX |||||
XX 2 ATTGTTAATGAT 13
XX
XX RESULT 794
XX ABF10673/C
XX ID ABF10673 standard; DNA; 13 BP.
XX
XX AC ABF10673;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 110670 for detecting SNP TSC0027619.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 110670; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1406 ATTGTTAATGAT 1417
Db 12 ATTGTTGATGAT 1
|||||
RESULT 795
ABC36055/C
ID ABC36055 standard; DNA; 13 BP.
XX AC ABC36055;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 36072 for detecting SNP TSC0011349.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX FN
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 36072; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1406 ATTGTTAATGAT 1417
Db 12 ATTGTTGATGAT 1
|||||
RESULT 796
ABF12263/C
ID ABF12263 standard; DNA; 13 BP.
XX AC ABF12263;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 112260 for detecting SNP TSC0028043.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS
XX WO200177384-A2.
XX FN
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 112260; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
Qy 1402 TAAAAATTGTTAA 1413
Db 13 TAAAAATTGTTAA 2
|||||

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XX SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
Db 13 TGTTAGTGATGA 2

RESULT 797
ABF14033
ID ABF14033 standard; DNA; 13 BP.
AC ABF14033;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 114030 for detecting SNP TSC0028539.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 114030; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match      8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AATAAAAAATATT 12

RESULT 798

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ABC64526
ID ABC64526 standard; DNA; 13 BP.
XX
XX ABC64526;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 64543 for detecting SNP TSC0017022.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 64543; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 7 G; 3 T; 0 U; 0 Other;
XX
XX Query Match      8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTG 1459
Db 2 GAGGATGGGTG 13

RESULT 799
ABF16368
ID ABF16368 standard; DNA; 13 BP.
XX
XX ABF16368;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 116365 for detecting SNP TSC0029134.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX

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OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 116365; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 1452 ATGGGTTGATCA 1463
Db 2 ATGGGTTGATTA 13
|||||
RESULT 800
ABF22876
ID ABE22876 standard; DNA; 13 BP.
XX
XX AC ABE22876;
XX 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 122873 for detecting SNP TSC0030713.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 122873; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 0 C; 0 G; 6 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12
|||||
RESULT 801
ABF26933/C
ID ABE26933 standard; DNA; 13 BP.
XX
XX AC ABE26933;
XX 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 126930 for detecting SNP TSC0031761.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 126930; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
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CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 13 BP; 5 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATGTTAATG 1415

DB 12 AAATGTTAATG 1

RESULT 802

ABF70735

ID ABF70735 standard; DNA; 13 BP.

XX AC

XX AC

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Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAGCAATA 1471

DB 2 ATCAGCAATA 13

RESULT 803

ABF47961/C

ID ABF47961 standard; DNA; 13 BP.

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

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XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

RESULT 804

ABF73477

ID ABF73477 standard; DNA; 13 BP.

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

XX AC

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

Claim 1; SEQ ID NO 147958; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 13 BP; 3 A; 5 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 3.5e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGAGCGATCGT 1384

DB 13 ATGAGCGATCGT 2


```
PT methylation status.
XX Claim 1; SEQ ID NO 176214; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AGAATTGTTAAT 2
      |||||
      |||||

RESULT 807
ABH03123/c
ID ABH03123 standard; DNA; 13 BP.
XX
AC ABH03123;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 203100 for detecting SNP TSC0049882.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 203100; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AGAATTGTTAAT 2
      |||||
      |||||

RESULT 808
ABH28591/c
ID ABH28591 standard; DNA; 13 BP.
XX
AC ABH28591;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 228568 for detecting SNP TSC0055748.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 228568; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
      Query Match      8.0%; Score 10.4; DB 1; Length 13;
      Best Local Similarity 91.7%; Pred. No. 3.5e+02;
      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGCTAAAT 1407
Db 12 AGTAGGTAAT 1
      |||||
      |||||
```

KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KX	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
PN	WO200177384-A2.
PD	18-OCT-2001.
PP	06-APR-2001; 2001WO-IB000713.
PF	07-APR-2000; 2000DE-01019173.
PR	(EPTG-) EPIGENOMICS AG.
PA	Olek A, Piepenbrock C, Berlin K;
PI	WPI; 2001-657177/75.
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
PS	Claim 1; SEQ ID NO 191357; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABCF99989, ABF0010-ABF99989, ABH0010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
	Query Match 8.0%; Score 10.4; DB 1; Length 13;
	Best Local Similarity 91.7%; Pred. No. 3.5e+02;
	Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0
QY	1359 ATATTCCACGCA 1370
DB	13 ATATTCCACCCA 2
RESULT 811	
ABH42633/C	
ID	ABH42633 standard; DNA; 13 BP.
XX	
AC	ABH42633;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 242610 for detecting SNP TSC0059184.
XX	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KX	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PP	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	

RESULT 809	
ABH10209/c	
ID	ABH10209 standard; DNA; 13 BP.
XX	
AC	ABH10209;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 210186 for detecting SNP TSC0051322.
XX	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PP	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPITG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 210186; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The a
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABF99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH9989
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
Query Match	8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity	91.7%; Pred. NO. 3.5e+02;
Matches 11;	Conservative 0; Mismatches 1; Indels 0; Gaps 0
QY	1398 GAGGTAAATTC 1409
DB	12 GAGGTATAATTC 1
RESULT 810	
ABF91360/c	
ID	ABF91360 standard; DNA; 13 BP.
XX	
AC	ABF91360;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 191357 for detecting SNP TSC0047086.
XX	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

PA (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 242610; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 1 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1349 GGGAGAGAAAAAT 1360
 DB 13 GAGAGAGAAAAAT 2
 RESULT 812
 ABH57681
 ID ABH57681 standard; DNA; 13 BP.
 AC ABH57681;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 257658 for detecting SNP TSC0062680.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 257658; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 1 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1349 GGGAGAGAAAAAT 1360
 DB 13 GAGAGAGAAAAAT 2
 RESULT 812
 ABH57681
 ID ABH57681 standard; DNA; 13 BP.
 AC ABH57681;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 257658 for detecting SNP TSC0062680.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 257658; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 1 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1355 AAAAATATTCCA 1366
 DB 2 AATAATATTCCA 13
 RESULT 813
 ABH59996
 ID ABH59996 standard; DNA; 13 BP.
 AC ABH59996;
 XX 22-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 259973 for detecting SNP TSC0063118.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 XX WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 259973; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 6 A; 1 C; 3 G; 3 T; 0 U; 0 Other;

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Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1439 ATATACATGGAA 1450
Db 1 ATATACGTGGAA 12

RESULT 814
ABC44404
ID ABC44404 standard; DNA; 13 BP.
XX
AC ABC44404;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 44421 for detecting SNP TSC0013036.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 44421; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAT 12

RESULT 815
ABC20113/c
ID ABC20113 standard; DNA; 13 BP.

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XX ABC20113;
AC 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 20130 for detecting SNP TSC0004129.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 20130; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1405 AATTGTTAATGA 1416
Db 13 AATTGTTAAGGA 2

RESULT 816
ABC75271/c
ID ABC75271 standard; DNA; 13 BP.
XX
AC ABC75271;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 75288 for detecting SNP TSC0019324.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

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PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 75288; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1394 AAAGGAGGTAAA 1405
 Db 13 AAAGGAGATAAA 2
 RESULT 817
 ABC27819/c
 ID ABC27819 standard; DNA; 13 BP.
 XX
 AC ABC27819;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 27836 for detecting SNP TSC0007837.
 XX
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 27836; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1394 AAAGGAGGTAAA 1405
 Db 13 AAAGGAGATAAA 2

XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 27836; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1401 GTAAATTTGTTA 1412
 Db 13 GTAAATTTGTTA 2
 RESULT 818
 ABC03270
 ID ABC03270 standard; DNA; 13 BP.
 XX
 AC ABC03270;
 XX
 DT 20-FEB-2002 (first entry)
 XX
 DE Oligonucleotide SEQ ID NO 3261 for detecting SNP TSC0001237.
 XX
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB0000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 3261; 29pp + Sequence Listing; German.
 XX
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412

DB 1 GTAAATTTGTTA 12

RESULT 819

ABC03271/c
 ID ABC03271 standard; DNA; 13 BP.

XX AC ABC03271;

XX DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 3262 for detecting SNP TSC0001237.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 3262; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 0 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412

DB 13 GTAAATTTGTTA 2

RESULT 820

ABC03655/c
 ID ABC03655 standard; DNA; 13 BP.

XX AC ABC03655;

XX DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 3646 for detecting SNP TSC0001395.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX PS Claim 1; SEQ ID NO 3646; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 3 A; 2 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAATATTT 1363

DB 12 AAGAAATATTT 1

RESULT 821

ABC06932
 ID ABC06932 standard; DNA; 13 BP.

XX AC ABC06932;

XX DT 20-FEB-2002 (first entry)

```

DE Oligonucleotide SEQ ID NO 6923 for detecting SNP TSC0002071.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 6923; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1403 AAAATTGTTAAT 1414
Db |||||
2 AAAATTGTTAAT 13
RESULT 822
ABC58195
ID ABC58195 standard; DNA; 13 BP.
XX
XX ABC58195;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 58212 for detecting SNP TSC0015625.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
DE Oligonucleotide SEQ ID NO 10320 for detecting SNP TSC0002624.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 58212; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1360 TATTCACGCAT 1371
Db |||||
1 TATTCACGCAT 12
RESULT 823
ABC10329/C
ID ABC10329 standard; DNA; 13 BP.
XX
XX ABC10329;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 10320 for detecting SNP TSC0002624.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 58212; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;
SQ
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1360 TATTCACGCAT 1371
Db |||||
1 TATTCACGCAT 12

```

PS Claim 1; SEQ ID NO 10320; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db |||||
12 TAAATTTGTTAA 1

RESULT 824
ABC13615
ID ABC13615 standard; DNA; 13 BP.
XX
AC ABC13615;
XX
XX
DT 20-FEB-2002 (first entry)
DE
XX Oligonucleotide SEQ ID NO 13622 for detecting SNP TSC0003139.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 13622; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db |||||
2 AAAATATTCCAC 13

RESULT 825
ABF37598
ID ABF37598 standard; DNA; 13 BP.
XX
AC ABF37598;
XX
DT 21-FEB-2002 (first entry)
DE
XX Oligonucleotide SEQ ID NO 137595 for detecting SNP TSC0034394.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137595; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAATATTAT 1363
Db |||||
2 AAGAAATATTAT 13

PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 150204; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
 XX
 XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1355 AAAAATATTCCA 1366
 DB 1 AAAAATATTACA 12
 XX
 XX RESULT 829
 XX ABF50696/C
 XX ID ABF50696 standard; DNA; 13 BP.
 XX AC ABF50696;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 150693 for detecting SNP TSC0038026.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPITG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 150693; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 9 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
 XX
 XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 XX
 QY 1355 AAAAATATTCCA 1366
 DB 1 AAAAATATTACA 12
 XX
 XX RESULT 829
 XX ABF50696/C
 XX ID ABF50696 standard; DNA; 13 BP.
 XX AC ABF50696;
 XX
 XX 21-FEB-2002 (first entry)
 XX
 XX Oligonucleotide SEQ ID NO 150693 for detecting SNP TSC0038026.
 XX
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPITG-) EPIGENOMICS AG.
 XX
 XX Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 XX Claim 1; SEQ ID NO 150693; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;
 XX

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CACACATATACA 1445
 DB 13 CACACATATACA 2

RESULT 830
 ABH28238/C
 ID ABH28238 standard; DNA; 13 BP.
 XX
 XX AC ABH28238;
 XX
 XX 22-FEB-2002 (first entry)
 XX

Oligonucleotide SEQ ID NO 228215 for detecting SNP TSC0004626.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 XX Homo sapiens.
 XX
 XX WO200177384-A2.
 XX
 XX 18-OCT-2001.
 XX
 XX 06-APR-2001; 2001WO-IB000713.
 XX
 XX 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPITG-) EPIGENOMICS AG.
 XX

Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX

Claim 1; SEQ ID NO 228215; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

Sequence 13 BP; 3 A; 1 C; 1 G; 8 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;

```

Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 13 AAAAAAATATTC 2

RESULT 831
ABF80956
ID ABF80956 standard; DNA; 13 BP.
XX AC ABF80956;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 180953 for detecting SNP TSC0044779.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 180954; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 2 G; 6 T; 0 C; 0 G; 5 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAGATTGTTAAT 2

RESULT 832
ABH34870
ID ABH34870 standard; DNA; 13 BP.
XX AC ABH34870;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 234847 for detecting SNP TSC0057330.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 180953; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 2 G; 6 T; 0 C; 0 G; 5 T; 0 U; 0 Other;
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAGATTGTTAAT 12

RESULT 832
ABF80957/C
ID ABF80957 standard; DNA; 13 BP.
XX AC ABF80957;

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PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 234847; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 2 GTAAATTTGTTA 13
|||||
RESULT 834
ABF60680
ID ABF60680 standard; DNA; 13 BP.
XX
AC ABF60680;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 160677 for detecting SNP TSC0040462.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DE Oligonucleotide SEQ ID NO 160677 for detecting SNP TSC0040462.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 234847; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 2 GTAAATTTGTTA 13
|||||
RESULT 835
ABF90892
ID ABF90892 standard; DNA; 13 BP.
XX
AC ABF90892;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 190889 for detecting SNP TSC0046952.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DE Oligonucleotide SEQ ID NO 190889 for detecting SNP TSC0046952.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 190889; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
Db 2 AATTGTTAAGA 13
|||||
RESULT 835
ABF90892
ID ABF90892 standard; DNA; 13 BP.
XX
AC ABF90892;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 190889 for detecting SNP TSC0046952.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DE Oligonucleotide SEQ ID NO 190889 for detecting SNP TSC0046952.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 190889; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
Db 2 AATTGTTAAGA 13
|||||

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CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
 |||||
 Db 1 TTGTTGATGATG 12

RESULT 836

ABH53511
 ID ABH53511 standard; DNA; 13 BP.

XX
 AC ABH53511;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 253488 for detecting SNP TSC0007617.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 253488; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1365 CACGCATCACA 1376
 |||||

Db 2 CACGCATCACTA 13

RESULT 837

ABC20112
 ID ABC20112 standard; DNA; 13 BP.

XX
 AC ABC20112;

DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 20129 for detecting SNP TSC0004129.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX Claim 1; SEQ ID NO 20129; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1405 AATGTTAATGA 1416
 |||||

Db 1 AATGTTAATGA 12

RESULT 838

ABC48790
 ID ABC48790 standard; DNA; 13 BP.

XX
 AC ABC48790;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 48807 for detecting SNP TSC0013866.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 OS Homo sapiens.
 XX WO200177384-A2.
 PN 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 48807; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
 XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAAT 1414
 DB 1 AAGATTGTTAAT 12
 XX
 XX RESULT 839
 XX ABC03651
 ID ABC03651 standard; DNA; 13 BP.
 XX AC ABC03651;
 XX 20-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 3642 for detecting SNP TSC0001395.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 3642; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT2073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 13 BP; 10 A; 0 C; 0 G; 3 T; 0 U; 0 Other;
 XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
 XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1352 AAGAAAATATT 1363
 DB 2 AAAAAAATATT 13
 XX
 XX RESULT 840
 XX ABC81568
 ID ABC81568 standard; DNA; 13 BP.
 XX AC ABC81568;
 XX 21-FEB-2002 (first entry)
 XX Oligonucleotide SEQ ID NO 81585 for detecting SNP TSC0020645.
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX Homo sapiens.
 OS WO200177384-A2.
 XX 18-OCT-2001.
 XX 06-APR-2001; 2001WO-IB000713.
 XX 07-APR-2000; 2000DE-01019173.
 XX (EPIG-) EPIGENOMICS AG.
 PA Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX Claim 1; SEQ ID NO 81585; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 0 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTTAA 1413
 Db 2 TAAATTTTAA 13
 |||||

RESULT 841
 ABC32974
 ID ABC32974 standard; DNA; 13 BP.
 AC ABC32974;
 XX
 XX 20-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide SEQ ID NO 32991 for detecting SNP TSC0010460.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 32991; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX

SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
 Db 2 AGATTGTTAATG 13
 |||||

RESULT 842
 ABC39558
 ID ABC39558 standard; DNA; 13 BP.
 AC ABC39558;
 XX
 XX 20-FEB-2002 (first entry)
 DT
 XX
 DE Oligonucleotide SEQ ID NO 39575 for detecting SNP TSC0012093.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 XX WO200177384-A2.
 PN
 XX 18-OCT-2001.
 PD
 XX 06-APR-2001; 2001WO-IB000713.
 PF
 XX 07-APR-2000; 2000DE-01019173.
 PR
 XX (EPIG-) EPIGENOMICS AG.
 PA
 XX Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 PT
 XX Claim 1; SEQ ID NO 39575; 29pp + Sequence Listing; German.
 PS
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
 Db 1 AAAATTGTTAAT 12
 |||||

RESULT 843
 ABF15353/c

```

ID ABE15353 standard; DNA; 13 BP.
XX
AC ABE15353;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 115350 for detecting SNP TSC0028921.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 115350; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1449 AAGATGGGTTGA 1460
Db 12 AATATGGGTTGA 1
XX
RESULT 844
ABC40996
ID ABC40996 standard; DNA; 13 BP.
XX
AC ABC40996;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41013 for detecting SNP TSC0012376.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 41013; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 1 G; 3 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1352 AAGAAAAATATT 1363
Db 1 AAAAAAATATT 12
XX
RESULT 845
ABF17058
ID ABF17058 standard; DNA; 13 BP.
XX
AC ABF17058;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117055 for detecting SNP TSC0029297.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
```


DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 117055; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAGGAGGTAA 1405
DB 1 AAGGAGGTAA 12
RESULT 846
ID ABF19552 standard; DNA; 13 BP.
XX
XX ABF19552;
XX
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 119549 for detecting SNP TSC0029841.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 119549; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1394 AAGGAGGTAA 1405
DB 1 AAGGAGGTAA 12
RESULT 846
ID ABF19552 standard; DNA; 13 BP.
XX
XX ABF19552;
XX
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 119549 for detecting SNP TSC0029841.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 119549; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1404 AATTGTTAATG 1415
DB 2 AATTGTTAATG 13
RESULT 847
ID ABF39223 standard; DNA; 13 BP.
XX
XX ABF39223;
XX
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 139220 for detecting SNP TSC0034874.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 139220; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
SQ Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 PA Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 173473; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1356 AAAATATCCAC 1367
 DB 13 AAAATATCCAC 2
 RESULT 851
 ABF76216
 ID ABF76216 standard; DNA; 13 BP.
 AC ABF76216;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 176213 for detecting SNP TSC0010154.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 PA Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.

XX
 PS Claim 1; SEQ ID NO 176213; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 1 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1403 AAAATTGTTAAT 1414
 DB 1 AAAATTGTTAAT 12
 RESULT 852
 ABF51931
 ID ABF51931 standard; DNA; 13 BP.
 XX
 AC ABF51931;
 XX
 DT 21-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 151928 for detecting SNP TSC0038388.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 XX
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 XX (EPIG-) EPIGENOMICS AG.
 PA
 PA Olek A, Piepenbrock C, Berlin K;
 PI
 XX WPI; 2001-657177/75.
 DR
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 151928; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but

```
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1364
Db 1 ACAAAAATATTC 12

RESULT 853
ABH27318
ID ABH27318 standard; DNA; 13 BP.
XX
AC ABH27318;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 227295 for detecting SNP TSC0055447.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 227295; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAATATTT 1363
Db 1 AAGTAAATATT 12

RESULT 854
ABF52252
ID ABF52252 standard; DNA; 13 BP.
XX
AC ABF52252;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 152249 for detecting SNP TSC0038467.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 152249; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1408 TGTTAATGATCA 1419
Db 1 TGTTAATGTTGA 12

RESULT 855
ABH27318
ID ABH27318 standard; DNA; 13 BP.
XX
AC ABH27318;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 152250 for detecting SNP TSC0038467.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 152250; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;
  Query Match      8.0%; Score 10.4; DB 1; Length 13;
  Best Local Similarity 91.7%; Pred. No. 3.5e+02;
  Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAATATTT 1363
Db 1 AAGTAAATATT 12
```

```

XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 232255; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 0 T; 0 U; 0 Other;
XX
Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0
XX
QY 1407 TTGTTAATGATG 1418
DB 1 TTGATAATGATG 12
XX
RESULT 857
ABF61205
ID ABF61205 standard; DNA; 13 BP.

```

AC	ABF61205;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 161202 for detecting SNP TSC0040584.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 161202; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CACACATATACA 1445
DB 2 CACACATATACA 13
||| ||||| |||
||| ||||| |||

RESULT 858
ABH13100
ID ABH13100 standard; DNA; 13 BP.
XX
AC ABH13100;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213077 for detecting SNP TSC0051905.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213077; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CACACATATACA 1445
DB 2 CACACATATACA 13
||| ||||| |||
||| ||||| |||

RESULT 858
ABH13100
ID ABH13100 standard; DNA; 13 BP.
XX
AC ABH13100;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213077 for detecting SNP TSC0051905.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213077; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
DB 1 AAGGAGGTAAAA 12
||||| |||
||||| |||

RESULT 859
ABH13101/c
ID ABH13101 standard; DNA; 13 BP.
XX
AC ABH13101;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213078 for detecting SNP TSC0051905.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213078; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 3.5e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAA 1406
DB 13 AAGGAGGTAAAA 2
||||| |||
||||| |||

RESULT 860
ABF88600/c
ID ABF88600 standard; DNA; 13 BP.
XX

```
AC ABF88600;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 188597 for detecting SNP TSC0046437.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 188597; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1352 AAGAAAATATT 1363
XX |||||||
XX 13 AACAAAATATT 2
XX
XX RESULT 861
XX ABF89804/c
XX ID ABF89804 standard; DNA; 13 BP.
XX
XX AC ABF89804;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 189801 for detecting SNP TSC0046704.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
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XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 189801; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 1356 AAAATATTCAC 1367
XX |||||||
XX 13 ACATATTCAC 2
XX
XX RESULT 862
XX ABH42632
XX ID ABH42632 standard; DNA; 13 BP.
XX
XX AC ABH42632;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 242609 for detecting SNP TSC0059184.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
```



```

XX
KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 52752; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 3 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1442 TACATGGAGAT 1453
XX |||||||
XX 13 TAAATGGAAGAT 2
XX
XX Db
XX
XX RESULT 867
XX ABF15146
XX ID ABF15146 standard; DNA; 13 BP.
XX
XX AC ABF15146;
XX
XX XX
XX 21-FEB-2002 (first entry)
XX
XX XX Oligonucleotide SEQ ID NO 115143 for detecting SNP TSC0028844.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 27572; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1435 AGACATATACAT 1446
XX |||||||
XX 1 AAACATATACAT 12
XX
XX Db
XX
XX RESULT 866
XX ABC52735/C
XX ID ABC52735 standard; DNA; 13 BP.
XX
XX AC ABC52735;
XX
XX XX
XX 21-FEB-2002 (first entry)
XX
XX XX Oligonucleotide SEQ ID NO 52752 for detecting SNP TSC0014606.
XX

```



```
XX SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTACA 12
|||||
RESULT 870
ABF45573/C
ID ABF45573 standard; DNA; 13 BP.
XX
XX AC ABF45573;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 145570 for detecting SNP TSC0036660.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 145570; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 8.0%; Score 10.4; DB 1; Length 13;
XX Best Local Similarity 91.7%; Pred. No. 3.5e+02;
XX Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 1398 GAGGTAATTTG 1409
Db 13 GAGGTAATTTG 2
|||||
RESULT 871
ABF49886
ID ABF49886 standard; DNA; 13 BP.
XX
XX AC ABF49886;
XX
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 149883 for detecting SNP TSC0037822.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
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OS      Homo sapiens.
XX      WO200177384-A2.
XX      18-OCT-2001.
XX      06-APR-2001; 2001WO-IB000713.
XX      07-APR-2000; 2000DE-01019173.
XX      (EPIG-) EPIGENOMICS AG.
XX      Olek A, Piepenbrock C, Berlin K;
XX      WPI; 2001-657177/75.
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
XX      designed to detect single-nucleotide polymorphisms and cytosine
XX      methylation status.
XX      Claim 1; SEQ ID NO 149883; 29pp + Sequence Listing; German.
XX      This invention describes novel oligonucleotide primers or peptide nucleic
XX      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX      and cytosine methylation status in chemically pretreated genomic DNA. The
XX      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX      range of diseases including immune system, gastrointestinal, respiratory,
XX      central nervous system, cardiovascular and metabolic disorders. The
XX      oligomers are also used for detecting cell type differentiation. ABC00010
XX      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI92073
XX      represent the oligomers described in the invention. NOTE: The sequence
XX      data for this patent did not form part of the printed specification, but
XX      was obtained in electronic format from WIPO at
XX      ftp.wipo.int/pub/published_pct_sequences
XX      Sequence 13 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 1 Other;
XX      Query Match      8.0%; Score 10.4; DB 1; Length 13;
XX      Best Local Similarity 91.7%; Pred. NO. 3.5e+02;
XX      Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0
XX
QY      1397 GGAGGTAAGTT 1408
DB      1 GGAGGTAAGTT 12
XX
RESULT 873
ABF52800
ID      ABF52800 standard; DNA; 13 BP.
XX      AC      ABF52800;
XX      XX
DT      21-FEB-2002 (first entry)
XX      XX
DE      Oligonucleotide SEQ ID NO 152797 for detecting SNP TSC0038616.
XX      XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX      XX
OS      Homo sapiens.
XX      XX
FN      WO200177384-A2.
XX      XX
PD      18-OCT-2001.
XX      XX
PF      06-APR-2001; 2001WO-IB000713.
XX      XX
PR      07-APR-2000; 2000DE-01019173.
XX      XX
PA      (EPIG-) EPIGENOMICS AG.
XX      XX
PI      Olek A, Piepenbrock C, Berlin K;

```

CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1407 TTGTTAGTGATG 1418
 Db 2 TTGTTAGTGATG 13
 |||||
 RESULT 875
 ABF88266
 ID ABF88266 standard; DNA; 13 BP.
 XX AC ABF88266;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 188263 for detecting SNP TSC0046354.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 188263; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 9 A; 0 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1447 GGAGAGTGGGTT 1458
 Db 12 GGAGAGTGGGTT 1
 |||||
 RESULT 877
 ABF65711/c
 ID ABF65711 standard; DNA; 13 BP.
 XX AC ABF65711;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 165194 for detecting SNP TSC0041433.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 165194; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences
 XX SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1447 GGAGAGTGGGTT 1458
 Db 12 GGAGAGTGGGTT 1
 |||||
 RESULT 877
 ABF65711/c
 ID ABF65711 standard; DNA; 13 BP.
 XX AC ABF65711;
 XX DT 22-FEB-2002 (first entry)
 XX DE Oligonucleotide SEQ ID NO 165194 for detecting SNP TSC0041433.
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX OS Homo sapiens.
 XX PN WO200177384-A2.
 XX PD 18-OCT-2001.
 XX PF 06-APR-2001; 2001WO-IB000713.
 XX PR 07-APR-2000; 2000DE-01019173.
 XX PA (EPIG-) EPIGENOMICS AG.
 XX PI Olek A, Piepenbrock C, Berlin K;
 XX WPI; 2001-657177/75.
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 XX designed to detect single-nucleotide polymorphisms and cytosine
 XX methylation status.
 XX Claim 1; SEQ ID NO 165194; 29pp + Sequence Listing; German.
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 XX and cytosine methylation status in chemically pretreated genomic DNA. The
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 XX range of diseases including immune system, gastrointestinal, respiratory,
 XX central nervous system, cardiovascular and metabolic disorders. The
 XX oligomers are also used for detecting cell type differentiation. ABC00010
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 XX represent the oligomers described in the invention. NOTE: The sequence
 XX data for this patent did not form part of the printed specification, but
 XX was obtained in electronic format from WIPO at
 XX ftp.wipo.int/pub/published_pct_sequences

PT methylation status.
 XX Claim 1; SEQ ID NO 250615; 29pp + Sequence Listing; German.
 PS
 CC This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence
 CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1356 AAAATATTCCAC 1367
 DB 13 AAAATATTACAC 2
 RESULT 880
 ABH64589/C
 ID ABH64589 standard; DNA; 13 BP.
 XX
 AC ABH64589;
 XX
 DT 22-FEB-2002 (first entry)
 DE Oligonucleotide SEQ ID NO 264566 for detecting SNP TSC0064134.
 XX
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
 XX
 OS Homo sapiens.
 XX
 PN WO200177384-A2.
 PD 18-OCT-2001.
 XX
 PF 06-APR-2001; 2001WO-IB000713.
 XX
 PR 07-APR-2000; 2000DE-01019173.
 XX
 PA (EPIG-) EPIGENOMICS AG.
 XX
 PI Olek A, Piepenbrock C, Berlin K;
 XX
 DR WPI; 2001-657177/75.
 XX
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is
 PT designed to detect single-nucleotide polymorphisms and cytosine
 PT methylation status.
 XX
 PS Claim 1; SEQ ID NO 264566; 29pp + Sequence Listing; German.
 XX
 XX This invention describes novel oligonucleotide primers or peptide nucleic
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
 CC and cytosine methylation status in chemically pretreated genomic DNA. The
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
 CC range of diseases including immune system, gastrointestinal, respiratory,
 CC central nervous system, cardiovascular and metabolic disorders. The
 CC oligomers are also used for detecting cell type differentiation. ABC00010
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but
 CC was obtained in electronic format from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1348 GGGGAAGAAAAA 1359
 DB 12 GGGGAAGAAAAA 1
 RESULT 881
 ABX95960/C
 ID ABX95960 standard; DNA; 13 BP.
 XX
 AC ABX95960;
 XX
 DT 27-OCT-2003 (revised)
 DT 24-JUL-2003 (first entry)
 XX
 DE Betaine aldehyde dehydrogenase (BADH) cDNA PCR primer #1.
 XX
 KW Betaine aldehyde dehydrogenase; BADH; primer; ss; plant gene conversion;
 KW salt tolerance; low temperature resistance; drought tolerance; sea-bite;
 KW seepweed; PCR.
 XX
 OS Suaeda liaotungensis; kitag.
 XX
 PN CN1364906-A.
 XX
 PD 21-AUG-2002.
 XX
 PF 12-JAN-2001; 2001CN-00106076.
 XX
 PR 12-JAN-2001; 2001CN-00106076.
 XX
 PA (UTDA-) UNIV DALIAN SCI & ENG.
 XX
 PI An L, Li Q, Gao X;
 XX
 DR WPI; 2003-000544/01.
 XX
 PT Suaeda liaotungensis kitag betaine aldehyde dehydrogenase gene and its
 PT cloning.
 XX
 PS Example 1; Page 6 (Disclosure); 15pp; Chinese.
 XX
 CC The invention relates to Suaeda liaotungensis kitag betaine aldehyde
 CC dehydrogenase (BADH) cDNA. BADH may be used in plant gene conversion to
 CC reach the aim of raising a plant's salt tolerance, low temperature
 CC resistance and drought tolerance. This sequence represents a PCR primer
 CC for cDNA encoding S. liaotungensis kitag betaine aldehyde dehydrogenase.
 CC (Updated on 27-OCT-2003 to standardise OS field)
 XX
 SQ Sequence 13 BP; 2 A; 4 C; 3 G; 4 T; 0 U; 0 Other;
 Query Match 8.0%; Score 10.4; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 3.5e+02;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1456 GTTGATCAAGCA 1467
 DB 13 GCTGATCAAGCA 2
 RESULT 882
 AAV92767/C
 ID AAV92767 standard; RNA; 14 BP.
 XX

Search completed: April 7, 2004, 07:01:28
Job time : 42 secs

AAV92767;
18-FEB-1999 (first entry)
Human A-raf target sequence nucleotide position 167.
Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
target; substrate; catalyst; modulation; expression; Raf gene; delivery;
screening; identification; synthesis; deprotection; purification; cancer;
inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
restenosis; rheumatoid arthritis; ss.
Homo sapiens.
WO9850530-A2.
12-NOV-1998.
05-MAY-1998; 98WO-US009249.
09-MAY-1997; 97US-0046059P.
09-JUN-1997; 97US-0049002P.
03-JUL-1997; 97US-0051718P.
22-AUG-1997; 97US-0056808P.
02-OCT-1997; 97US-0061321P.
02-OCT-1997; 97US-0061324P.
05-NOV-1997; 97US-0064866P.
19-DEC-1997; 97US-0068212P.
(RIBO-) RIBOZYME PHARM INC.
Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Bellon L;
Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Burgin A;
Thompson J, Workman CT, Beaudry A, Sweedler D;
WPI; 1999-009494/01.
Identifying new catalytic nucleic acid that modulates selected processes
- especially ribozymes that cleave Raf RNA for treating cancer,
restenosis, and also new ribozymes and modified nucleoside triphosphates
used as antiviral agents and synthons.
Claim 179; Page 163; 259pp; English.
A method has been developed for the identification of a nucleic acid
capable of modulating a process in a biological system. The method
comprises: (a) introducing into the system a random library of nucleic
acid catalysts (NAC) having a substrate binding domain (SBD), comprising
a random sequence, and a catalytic domain (CD); and (b) identifying NAC
in systems where modulation has occurred and/or determining the sequence
of at least part of the SBDs in such systems. Nucleic acid molecules with
endonuclease activity and catalytic activity, from the present invention,
are used to modulate gene expression in plant and mammalian cells and to
cleave target nucleic acid, particularly for treating systemic diseases
caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic
ascites and infection. They may also be used to detect genetic drift and
mutations in diseased cells and to determine c-raf RNA. Specifically NACs
with RNA-cleaving activity that modulate expression of the Raf gene, are
used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or
generally any condition associated with the level of c-raf. Introduction
of sugar/phosphate modifications increases stability against nuclease and
activity. AAV90922 to AAV93877 represent NACs that can be used in the
method, specifically for modulating the expression of a Raf gene
Sequence 14 BP; 2 A; 7 C; 1 G; 0 T; 4 U; 0 Other;
Query Match 8.0%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 3.8e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1449 AAGATGGGTTGA 1460
DB 14 AAGATGGGTTGA 3

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OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:04:51 ; Search time 0.001 Seconds
(without alignments)
373.620 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcagggaagaataattc.....ggtgatcaagcaaatagga 130

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 100 seqs, 1437 residues

Total number of hits satisfying chosen parameters: 200

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 101 summaries

Database : rni.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	15.2	11.7	20	1	US-09-527-154-21
2	14.8	11.4	20	1	US-08-507-032-3
3	14.8	11.4	20	1	US-09-232-346-54
C 4	14.2	10.9	20	1	US-09-198-452A-3773
5	14	10.8	18	1	US-08-432-871C-31
6	14	10.8	18	1	US-09-270-956-31
C 7	13.8	10.6	19	1	US-09-422-978-5909
C 8	13.2	10.2	18	1	US-09-344-520-37
9	12.4	9.5	15	1	US-09-081-646-628
10	12.4	9.5	17	1	US-08-998-099-112
11	12.4	9.5	17	1	US-08-998-099-113
12	12.4	9.5	17	1	US-08-998-099-114
13	12.2	9.4	17	1	US-08-373-124A-1637
14	12.2	9.4	17	1	US-08-435-628-1637
15	12.2	9.4	17	1	US-08-755-587-208
16	12.2	9.4	17	1	US-08-584-040-5557
C 17	12.2	9.4	17	1	US-08-584-040-5554
18	12.2	9.4	17	1	US-09-371-772B-2447
C 19	12.2	9.4	17	1	US-09-371-772B-2447
20	11.8	9.1	15	1	US-08-319-492B-105
C 21	11.8	9.1	15	1	US-09-081-646-267
22	11.4	8.8	15	1	US-07-906-930E-7
23	11.4	8.8	15	1	US-08-363-240A-72
24	11.4	8.8	15	1	US-08-363-240A-246
25	11.4	8.8	15	1	US-08-744-829-1
26	11.4	8.8	15	1	US-08-364-246-1
27	11.4	8.8	15	1	US-08-913-833-75
28	11.4	8.8	15	1	US-09-580-794C-75
C 29	11.4	8.8	15	1	US-09-081-646-197
C 30	11.4	8.8	15	1	US-09-081-646-210
C 31	11.4	8.8	15	1	US-08-081-646-860
32	11.4	8.8	16	1	US-08-913-833-76
33	11.4	8.8	16	1	US-09-580-794C-76

34	11.2	8.6	16	1	US-07-704-288C-26
35	11.2	8.6	16	1	US-08-379-259-26
36	11.2	8.6	16	1	US-09-479-005A-61
C 37	11	8.5	11	1	US-08-173-489C-296
38	11	8.5	14	1	US-09-375-673B-6
C 39	10.8	8.3	14	1	US-08-706-945D-86
C 40	10.8	8.3	14	1	US-09-375-673B-27
41	10.8	8.3	15	1	US-08-319-492B-104
42	10.8	8.3	15	1	US-08-319-492B-106
C 43	10.8	8.3	15	1	US-08-319-492B-423
44	10.8	8.3	15	1	US-08-452-724A-30
45	10.8	8.3	15	1	US-08-292-620A-388
46	10.8	8.3	15	1	US-08-292-620A-699
47	10.8	8.3	15	1	US-09-071-845-388
48	10.8	8.3	15	1	US-09-071-845-699
49	10.8	8.3	15	1	US-09-081-646-657
50	10.8	8.3	15	1	US-08-453-623-30
C 51	10.4	8.0	12	1	US-08-173-489C-190
52	10.4	8.0	12	1	US-08-927-219-9
53	10	7.7	10	1	US-08-173-489C-279
54	10	7.7	10	1	US-08-508-753B-113
C 55	10	7.7	11	1	US-08-173-489C-25
C 56	10	7.7	11	1	US-08-173-489C-132
C 57	10	7.7	12	1	US-09-384-327-3
C 58	10	7.7	12	1	US-08-458-372-3
59	10	7.7	13	1	US-08-173-489C-333
60	10	7.7	14	1	US-09-374-135-9
61	10	7.7	14	1	US-09-410-132-5
62	10	7.7	14	1	US-09-702-114A-3
63	10	7.7	14	1	US-09-638-203-11
64	10	7.7	14	1	US-09-375-673B-10
65	10	7.7	14	1	US-09-409-938-9
66	9.8	7.5	13	1	US-08-372-183-5
67	9.8	7.5	13	1	US-08-607-078-3
68	9.8	7.5	13	1	US-09-459-721-5
69	9.8	7.5	13	1	US-08-686-443-5
70	9.8	7.5	13	1	US-08-359-921-3
71	9.8	7.5	13	1	US-09-360-344-3
72	9.8	7.5	13	1	PCT-US95-17023-5
C 73	9.8	7.5	14	1	US-08-393-734-8
C 74	9.8	7.5	14	1	US-08-836-022A-8
C 75	9.8	7.5	14	1	US-08-913-833-78
C 76	9.8	7.5	14	1	US-08-894-489-8
C 77	9.8	7.5	14	1	US-09-427-048A-8
C 78	9.8	7.5	14	1	US-09-580-794C-78
C 79	9.8	7.5	14	1	US-09-475-947A-6
C 80	9.8	7.5	14	1	US-09-874-601-123
81	9.8	7.5	14	1	5223407-5
82	9.8	7.5	14	1	5223407-6
83	9.4	7.2	11	1	US-07-910-867B-15
84	9.4	7.2	11	1	US-08-345-613-15
C 85	9.4	7.2	11	1	US-08-983-108-24
C 86	9.4	7.2	11	1	US-08-929-856-2
C 87	9.4	7.2	11	1	US-08-929-856-2
C 88	9.4	7.2	11	1	PCT-US96-09430-19
89	9.4	7.2	12	1	US-08-035-928-8
90	9.4	7.2	12	1	US-08-214-603-13
91	9.4	7.2	12	1	US-08-441-887A-119
C 92	9.4	7.2	12	1	US-08-173-489C-86
93	9.4	7.2	12	1	US-09-281-418-187
94	9.4	7.2	12	1	US-08-927-165A-16
C 95	9.4	7.2	13	1	US-08-441-887A-28
C 96	9.4	7.2	13	1	US-08-441-887A-117
97	9.4	7.2	13	1	US-08-430-521-1
98	9.4	7.2	13	1	US-08-508-761B-13
99	9.4	7.2	13	1	US-08-676-818-25
100	9.4	7.2	13	1	US-09-407-549-25
C 101	9.2	7.1	12	1	PCT-US91-03680-108

ALIGNMENTS

```
RESULT 1
US-09-527-154-21/c
; Sequence 21, Application US/09527154
; Patent No. 6228648
; GENERAL INFORMATION:
; APPLICANT: Thomas P. Condon
; APPLICANT: Shin Cheng Fluoroy
; TITLE OF INVENTION: ANTISENSE MODULATION OF ADAM10 EXPRESSION
; FILE REFERENCE: ISPH-0446
; CURRENT APPLICATION NUMBER: US/09/527,154
; CURRENT FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-527-154-21
Query Match 11.7%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 4.8;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1424 TCGTCTATGCACACATATA 1443
Db 20 TTGTTATGCACACATGTA 1
RESULT 2
US-08-507-032-3
; Sequence 3, Application US/08507032
; Patent No. 5989810
; GENERAL INFORMATION:
; APPLICANT: Flanagan, William A.
; APPLICANT: Crabtree, Gerald R.
; TITLE OF INVENTION: Screening Methods for Immunosuppressive
; TITLE OF INVENTION: Agents
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: William M. Smith
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/507,032
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,944
; FILING DATE:
; APPLICATION NUMBER: US 07/749,385
; FILING DATE: 22-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 5490A-89
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

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; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..20
; OTHER INFORMATION: /note= "Purine Rich Core Sequence"
US-08-507-032-3
Query Match 11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 6;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAATTTGTT 1411
Db 2 AAAGGAGGAAAAAATCTGTT 19
RESULT 3
US-09-232-346-54
; Sequence 54, Application US/09232346
; Patent No. 6352830
; GENERAL INFORMATION:
; APPLICANT: Crabtree, Gerald R.
; APPLICANT: No. 6352830throp, Jeffrey P.
; APPLICANT: Ho, Steffan M.
; APPLICANT: Flanagan, William M.
; TITLE OF INVENTION: NF-AT POLYPEPTIDES AND POLYNUCLEOTIDES AND SCREENING
; TITLE OF INVENTION: METHODS FOR IMMOSUPPRESSIVE AGENTS
; FILE REFERENCE: APV-008.04
; CURRENT APPLICATION NUMBER: US/09/232,346
; CURRENT FILING DATE: 1999-01-15
; PRIOR APPLICATION NUMBER: 08/507,032
; PRIOR FILING DATE: 1995-07-31
; PRIOR APPLICATION NUMBER: 08/228,944
; PRIOR FILING DATE: 1994-04-16
; PRIOR APPLICATION NUMBER: 07/749,385
; PRIOR FILING DATE: 1991-08-22
; PRIOR APPLICATION NUMBER: 08/260,174
; PRIOR FILING DATE: 1994-06-13
; PRIOR APPLICATION NUMBER: 08/124,981
; PRIOR FILING DATE: 1993-09-20
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: putative NF-AT
; OTHER INFORMATION: binding site
US-09-232-346-54
Query Match 11.4%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 6;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1394 AAAGGAGGTAAATTTGTT 1411
Db 2 AAAGGAGGAAAAAATCTGTT 19
RESULT 4
US-09-198-452A-3773/c
; Sequence 3773, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragmen
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, pre
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
```

SEQ ID NO 3773
 LENGTH: 20
 TYPE: DNA
 ORGANISM: Chlamydia pneumoniae
 US-09-198-452A-3773

Query Match 10.9%; Score 14.2; DB 1; Length 20;
 Best Local Similarity 84.2%; Pred. No. 8.1;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1354 GAARAATATCCAGCATC 1372
 Db 20 GAARAATATCCAGCATC 2

RESULT 5

US-08-432-871C-31
 Sequence 31, Application US/08432871C
 Patent No. 5877010

GENERAL INFORMATION:
 APPLICANT: Loeb, Lawrence A.
 APPLICANT: Black, Margaret E.
 TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
 NUMBER OF SEQUENCES: 104
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: US

ZIP: 98104-7092

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/432,871C
 FILING DATE: 02-MAY-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Mcmasters, David D.

REGISTRATION NUMBER: 33,963

REFERENCE/DOCKET NUMBER: 240052.409C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

TELEX: 3723836

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-432-871C-31

Query Match 10.8%; Score 14; DB 1; Length 18;
 Best Local Similarity 100.0%; Pred. No. 7.9;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1409 GTTAATGATGACCA 1422
 Db 1 GTTAATGATGACCA 14

RESULT 6

US-09-270-956-31
 Sequence 31, Application US/09270956
 Patent No. 6451571

GENERAL INFORMATION:

APPLICANT: Loeb, Lawrence A.

APPLICANT: Black, Margaret E.

TITLE OF INVENTION: THYMIDINE KINASE MUTANTS

NUMBER OF SEQUENCES: 104
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Seed and Berry LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: US

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/270,956

FILING DATE: 17-MAR-1999

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Mcmasters, David D.

REGISTRATION NUMBER: 33,963

REFERENCE/DOCKET NUMBER: 240052.409C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

TELEX: 3723836

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-270-956-31

Query Match 10.8%; Score 14; DB 1; Length 18;
 Best Local Similarity 100.0%; Pred. No. 7.9;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1409 GTTAATGATGACCA 1422
 Db 1 GTTAATGATGACCA 14

RESULT 7

US-09-422-978-5909/c

Sequence 5909, Application US/09422978

Patent No. 6537751

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Blumenfeld, Marta

APPLICANT: Chumakov, Il'ya

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENSET.020CF1

CURRENT APPLICATION NUMBER: US/09/422,978

CURRENT FILING DATE: 1999-10-20

EARLIER APPLICATION NUMBER: US 09/298,850

EARLIER FILING DATE: 1999-04-21

EARLIER APPLICATION NUMBER: US 60/109,732

EARLIER FILING DATE: 1998-11-23

EARLIER APPLICATION NUMBER: US 60/082,614

EARLIER FILING DATE: 1998-04-21

NUMBER OF SEQ ID NOS: 11796

SEQ ID NO 5309

LENGTH: 19

TYPE: DNA

ORGANISM: Homo Sapiens

FEATURE:

NAME/KEY: primer_bind

LOCATION: 1..19

OTHER INFORMATION: upstream amplification primer 99-7737 for SEQ 1975,
 US-09-422-978-5909

Query Match 10.6%; Score 13.8; DB 1; Length 19;
 Best Local Similarity 88.2%; Pred. No. 9.3;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1354 GAAAAATATCCAGCA 1370
| | | | | | | | | |
Db 19 GAAAAATAGTACAGCA 3

RESULT 8
US-09-344-520-37/c
; Sequence 37, Application US/09344520
; Patent No. 603175
; GENERAL INFORMATION:
; APPLICANT: Frank Bennett
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF Integrin beta 3 EXPRESSION
; FILE REFERENCE: RTS-0070
; CURRENT APPLICATION NUMBER: US/09/344,520
; CURRENT FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 37
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-520-37

Query Match 10.2%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 12;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1410 TTAATGATGACAGTCGT 1427
| | | | | | | | | |
Db 18 TTAATGATAAGCAGTCAT 1

RESULT 9
US-09-081-646-628
; Sequence 628, Application US/09081646
; Patent No. 633352
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 628
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-628

Query Match 9.5%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 14;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGT 1457
| | | | | | | | | |
Db 1 CATGGAAGATGTT 14

RESULT 10
US-08-998-099-112
; Sequence 112, Application US/08998099A

; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 112
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-112

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 17;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTCGTTCTATGCAG 1436
| | | | | | | | | |
Db 4 GUCCUUCUAGCAG 17

RESULT 11
US-08-998-099-113
; Sequence 113, Application US/08998099A
; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 113
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-113

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 17;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTCGTTCTATGCAG 1436
| | | | | | | | | |
Db 3 GUCCUUCUAGCAG 16

RESULT 12
US-08-998-099-114
; Sequence 114, Application US/08998099A
; Patent No. 6103890

GENERAL INFORMATION:
APPLICANT: JARVIS, THALE
APPLICANT: MCSWIGGEN, JAMES A.
APPLICANT: STINCHCOMB, DAN T.
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
FILE REFERENCE: 231/175
CURRENT APPLICATION NUMBER: US/08/998,099A
CURRENT FILING DATE: 1997-12-24
EARLIER FILING DATE: 1997-01-23
EARLIER FILING DATE: 1997-01-23
EARLIER FILING DATE: 1995-01-13
EARLIER FILING DATE: 1995-01-13
EARLIER FILING DATE: 1994-05-18
NUMBER OF SEQ ID NOS: 375
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 114
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-08-998-099-114

Query Match 9.5%; Score 12.4; DB 1; Length 17;
Best Local Similarity 57.1%; Pred. No. 17;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1423 GTGTTCTATCGAG 1436
DB 1 GUCCUUCUAGCG 14

RESULT 13
US-08-373-124A-1637
Sequence 1637, Application US/08373124A
Patent No. 5646042
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth
APPLICANT: McSwigen, James
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
TITLE OF INVENTION: CANCER USING RIBOZYMES
NUMBER OF SEQUENCES: 2627
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/373,124A
FILING DATE: January 13, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: February 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/936,422
FILING DATE: August 26, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard

REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/035
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1637:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-373-124A-1637

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 18;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1380 ATGCTTCTTGATCAA 1396
DB 1 AACUUCUUCGUCUCAA 17

RESULT 14
US-08-435-628-1637
Sequence 1637, Application US/08435628
Patent No. 5817796
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth
APPLICANT: McSwigen, James
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
TITLE OF INVENTION: CANCER USING RIBOZYMES
NUMBER OF SEQUENCES: 2627
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/435,628
FILING DATE: 05-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/373,124
FILING DATE: January 13, 1995
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: February 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/936,422
FILING DATE: August 26, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/035
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1637:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-435-628-1637

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 18;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1390 ATGCTCTTCTGATCAAA 1396
||:||||:||||
Db 1 AACUUCUUCUUCUCAA 17

RESULT 15
US-08-755-587-208
; Sequence 208, Application US/08755587
; Patent No. 6045997
; GENERAL INFORMATION:
; APPLICANT: Futreal, Phillip A
; APPLICANT: Wooster, Richard F
; APPLICANT: Ashworth, Alan
; APPLICANT: Stratton, Michael R
; TITLE OF INVENTION: Materials and methods relating to the
; TITLE OF INVENTION: identification and sequencing of the BRCA2 cancer
; TITLE OF INVENTION: susceptibility gene and uses thereof.
; NUMBER OF SEQUENCES: 222
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 310 UCB Plaza, 3605 Glenwood Avenue, PO Drawer 31107
; CITY: Raleigh
; STATE: NC
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/755,587
; FILING DATE: 25-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9523959.6
; FILING DATE: 23-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9525555.0
; FILING DATE: 14-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9617961.9
; FILING DATE: 28-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenneth D Sibley
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5405-135
; INFORMATION FOR SEQ ID NO: 208:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: misc_feature
LOCATION: 6
OTHER INFORMATION: /note= "N is i"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 9
OTHER INFORMATION: /note= "N is i"

US-08-755-587-208

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 18;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1395 AAGGAGTAAATGTT 1411
||:||||:||||
Db 1 AAGCGTNAATTTT 17

RESULT 16
US-08-584-040-5557
; Sequence 5557, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OF
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 5557:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-5557

Query Match 9.4%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 18;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1433 GCAGCATATACATGGA 1449
|||||:||||
Db 1 GCAGCAUUGACAUGCA 17

RESULT 17
US-08-584-040-5854/c
; Sequence 5854, Application US/08584040


```

; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/319,492B
; FILING DATE: October 7, 1994
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/276
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 105:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-319-492B-105

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 19;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AATATTCCACGCAT 1371
DB 1 AARUUUUCAGGCAU 15

RESULT 21
US-09-081-646-267/c
; Sequence 267, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 267
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-081-646-267

Query Match 9.1%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 19;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1433 GCAGCATATACATG 1447
DB 15 GTAGACAGATACATG 1

RESULT 22
US-07-906-930E-7
; Sequence 7, Application US/07906930E
; Patent No. 5534631
; GENERAL INFORMATION:
; APPLICANT: Gaynor, Richard B.
; APPLICANT: Nirula, Ajay
; APPLICANT: Li, Ching
; TITLE OF INVENTION: DNA ENCODING THE INTERLEUKIN BINDING
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,930E
; FILING DATE: 30-JUN-1992
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Sertich, Gary J.
; REGISTRATION NUMBER: 34,430
; REFERENCE/DOCKET NUMBER: UTSD:262/SER
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512-418-3000
; TELEFAX: 512-474-7577
; TELEX: NOT APPLICABLE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-07-906-930E-7

Query Match 8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAAA 1406
DB 3 AAAGGAGGAAAAA 15

RESULT 23
US-08-363-240A-72
; Sequence 72, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES

```



```
/ LENGTH: 15 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
US-08-744-829-1

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAT 1407
Db 1 AAGGAGGTAAT 13

RESULT 26
US-08-364-246-1
Sequence 1, Application US/08364246
Patent No. 5872104
GENERAL INFORMATION:
APPLICANT: Vermeulen, Nicolaas M. J.
APPLICANT: Schwartz, Dennis
TITLE OF INVENTION: Combinations and Methods For Reducing
TITLE OF INVENTION: Antimicrobial Resistance
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/364, 246
FILING DATE: Concurrently Herewith
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Fairer, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: ORIN:003/PAR
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-364-246-1

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATAT 1362
Db 2 GGAAGAAAAATAT 14

RESULT 27
US-08-913-833-75
Sequence 75, Application US/08913833
Patent No. 6087093
GENERAL INFORMATION:
APPLICANT: STUYVER, LIEVEN

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGAT 1453
Db 3 ATACATGGAAGAT 15

RESULT 28
US-09-580-794C-75
Sequence 75, Application US/09580794C
Patent No. 6331389
GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Louwagie, Joost
APPLICANT: Rossau, Rudi
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
TITLE OF INVENTION: TRANSCRIPTASE GENE
FILE REFERENCE: INNS008--2
CURRENT APPLICATION NUMBER: US/09/580,794C
CURRENT FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
PRIOR FILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: PCT/EP 97/00211
PRIOR FILING DATE: 1997-01-17
PRIOR APPLICATION NUMBER: EP 96870005.4
PRIOR FILING DATE: 1996-01-26
PRIOR APPLICATION NUMBER: EP 96870081.5
```

```
; PRIOR FILING DATE: 1996-06-25
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 75
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Primer
US-09-580-794C-75

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGACGAT 1453
Db 3 ATACATGACGAT 15

RESULT 29
US-09-081-646-197
; Sequence 197, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; EARLIER FILING DATE: 1998-05-20
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 197
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-197

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1444 CATGGAAGATGGG 1456
Db 1 CATGGAAGATGTG 13

RESULT 30
US-09-081-646-210/c
; Sequence 210, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; EARLIER FILING DATE: 1998-05-20
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 210
; LENGTH: 15

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-210

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407
Db 14 AAGGAGGTAAAT 2

RESULT 31
US-09-081-646-860/c
; Sequence 860, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; EARLIER FILING DATE: 1998-05-20
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 860
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-860

Query Match      8.8%; Score 11.4; DB 1; Length 15;
Best Local Similarity 92.3%; Pred. No. 23;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAAAT 1407
Db 14 AAGGAGGTAAAT 2

RESULT 32
US-08-913-833-76
; Sequence 76, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P. O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
```

APPLICATION NUMBER: PCT/EP97/00211
FILING DATE: 17 Jan 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96870005.4
FILING DATE: 26 Jan 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96870081.5
FILING DATE: 25 Jun 1996
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:008
INFORMATION FOR SEQ ID NO. 76:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-913-833-76

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 25;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
DB 4 ATACATGGAGAT 16

RESULT 33

US-09-580-794C-76
Sequence 76, Application US/09580794C
Patent No. 6331389
GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Louwagie, Joost
APPLICANT: Rossau, Rudi
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
FILE REFERENCE: INNS008-2
CURRENT APPLICATION NUMBER: US/09/580,794C
CURRENT FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
PRIOR FILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: PCT/EP 97/00211
PRIOR FILING DATE: 1997-01-17
PRIOR APPLICATION NUMBER: EP 96870005.4
PRIOR FILING DATE: 1996-01-26
PRIOR APPLICATION NUMBER: EP 96870081.5
PRIOR FILING DATE: 1996-06-25
NUMBER OF SEQ ID NOS: 164
SOFTWARE: PatentIn version 3.0
SEQ ID NO 76
LENGTH: 16
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Synthetic Primer
US-09-580-794C-76

Query Match 8.8%; Score 11.4; DB 1; Length 16;
Best Local Similarity 92.3%; Pred. No. 25;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAGAT 1453
DB 4 ATACATGGAGAT 16

RESULT 34

US-07-704-288C-26
Sequence 26, Application US/07704288C
Patent No. 5399680
GENERAL INFORMATION:
APPLICANT: LAMB, CHRISTOPHER J.
APPLICANT: ZHU, QUN
TITLE OF INVENTION: PLANT DEFENSE GENES AND PLANT DEFENSE REGULATORY
ELEMENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: California
COUNTRY: United States
ZIP: 90071-2921
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/704,288C
FILING DATE: 22-MAY-1991
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P31 8899
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 546-4737
TELEFAX: (619) 546-9392
TELEX:
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-07-704-288C-26

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 28;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1431 ATGCAGCATATCAT 1446
DB 1 ATGCATGCATATCAT 16

RESULT 35

US-08-379-259-26
Sequence 26, Application US/08379259
Patent No. 5695939
GENERAL INFORMATION:
APPLICANT: LAMB, CHRISTOPHER J.
APPLICANT: ZHU, QUN
TITLE OF INVENTION: PLANT DEFENSE GENES AND PLANT
DEFENSE REGULATORY
ELEMENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: California
COUNTRY: United States
ZIP: 90071-2921
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy disk

```

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,259
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/704,288
FILING DATE: 22-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P31 8899
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 546-4737
TELEFAX: (619) 546-9392
TELEX:
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-379-259-26

```

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 28;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1431 ATGCAGACATATACAT 1446
Dy 1 ATGCATGCATATGCAT 16

```

RESULT 36
US-09-479-005A-61
; Sequence 61, Application US/09479005A
; Patent No. 6656731
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
; FILE REFERENCE: MH800-884-C
; CURRENT APPLICATION NUMBER: US/09/479,005A
; PRIORITY FILING DATE: 2000-01-07
; CURRENT APPLICATION NUMBER: US 09/444,209
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: US 09/159,274
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: US 60/059,473
; PRIOR FILING DATE: 1997-09-22
; NUMBER OF SEQ ID NOS: 1208
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 61
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-479-005A-61

```

Query Match 8.6%; Score 11.2; DB 1; Length 16;
Best Local Similarity 75.0%; Pred.No.28;
Matches 12; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1390 GATCAAAGGAGGTAA 1405
Dp 1 GAGCAAAGAUGGUAAA 16

RESULT 37
US-08-173-489C-296/c

Sequence 296, Application US/08173489C
Patent No. 5861244
GENERAL INFORMATION:
APPLICANT: WANG, C.-G.
APPLICANT: HEPBURN, A. G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
NUMBER OF SEQUENCES: 365
CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10021
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 36,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 296:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 bases
TYPE: nucleic acid
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from C. psittaci
DESCRIPTION: 16s region in Seq ID No. 5861244295
HYPOTHETICAL: yes
ANTI-SENSE: no
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 296 :FROM 1 TO 11
US-08-173-489C-296

Query Match 8.5%; Score 11; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAA 1357
Db 11 AGGGAAGAAA 1

```

RESULT 38
US-09-375-673B-6
: Sequence 6, Application US/09375673B
: Patent No. 6605431
: GENERAL INFORMATION:
: APPLICANT: GOURSE, RICHARD L.
: APPLICANT: ESTRENE, SHAWN T.
: APPLICANT: ROSS, WILMA E.
: APPLICANT: GAAL, TAMAS
: TITLE OF INVENTION: PROMOTER ELEMENTS
: FILE REFERENCE: 11900130101
: CURRENT APPLICATION NUMBER: US/09/3
: CURRENT FILING DATE: 1999-08-17
: NUMBER OF SEQ ID NOS: 89
: SOFTWARE: PatsIn Ver. 2.

```

```
; SEQ ID NO 6
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Distal
; OTHER INFORMATION: accessory promoter element
US-09-375-673B-6

Query Match      8.5%; Score 11; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 39
US-08-706-945D-86/c
; Sequence 86, Application US/08706945D
; Patent No. 6369027
; GENERAL INFORMATION:
; APPLICANT: Boyle, William
; APPLICANT: Lacey, David
; APPLICANT: Calzone, Frank
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Osteoprotegerin
; FILE REFERENCE: A-378CIP
; CURRENT APPLICATION NUMBER: US/08/706,945D
; CURRENT FILING DATE: 1996-09-03
; PRIOR APPLICATION NUMBER: 08/577,788
; PRIOR FILING DATE: 1995-12-22
; NUMBER OF SEQ ID NOS: 145
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 86
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-08-706-945D-86

Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 29;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGACC 1421
Db 14 TGTTAATGAGATC 1

RESULT 40
US-09-375-673B-27/c
; Sequence 27, Application US/09375673B
; Patent No. 6605431
; GENERAL INFORMATION:
; APPLICANT: GOURSE, RICHARD L.
; APPLICANT: ESTREM, SHAWN T.
; APPLICANT: ROSS, WILMA E.
; APPLICANT: GRAL, TAMAS
; TITLE OF INVENTION: PROMOTER ELEMENTS AND METHODS OF USE
; FILE REFERENCE: 11900130101
; CURRENT APPLICATION NUMBER: US/09/375,673B
; CURRENT FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Distal
; OTHER INFORMATION: accessory promoter element
US-09-375-673B-27

Query Match      8.3%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 29;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1365
Db 14 AAAAAAATTTTCC 1

RESULT 41
US-08-319-492B-104
; Sequence 104, Application US/08319492B
; Patent No. 5616488
; GENERAL INFORMATION:
; APPLICANT: Sullivan, Sean M.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF IL-5
; NUMBER OF SEQUENCES: 751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/319,492B
; FILING DATE: October 7, 1994
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Wardburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/276
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 104:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-319-492B-104

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 31;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1357 AAATATTCACGCA 1370
Db 2 AAUAUUCAGGCA 15
```



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; APPLICATION NUMBER: US/08/452,724A
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/930,600
; FILING DATE: 05-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02362
; FILING DATE: 05-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/505,314
; FILING DATE: 05-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook Ego David E
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: RC90-01AZ
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; US-08-452-724A-30

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 31;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGA 1449
Db 1 GACTTCTACATGGA 14

RESULT 45
US-08-292-620A-388
; Sequence 388, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620A
; FILING DATE: August 17, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
```

two

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; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 388:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-292-620A-388

Query Match      8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTCGTCTATGCG 1434
Db 1 CAGUGGUCUCUGC 14

RESULT 46
US-08-292-620A-699
; Sequence 699, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620A
; FILING DATE: August 17, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
```

two

REFERENCE/DOCKET NUMBER: 208/149
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 699:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-292-620A-699

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 1421 CAGTCGTTCTATGC 1434
|||:|:|:|:
Db 1 CAGUGGUUCUGC 14

RESULT 47

US-09-071-845-388
Sequence 388, Application US/09071845
Patent No. 6132967

GENERAL INFORMATION:

APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
FILING DATE:
APPLICATION NUMBER: US/09/071,845

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 388:
SEQUENCE CHARACTERISTICS:

LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-845-388

Query Match 8.3%; Score 10.8; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 1421 CAGTCGTTCTATGC 1434
|||:|:|:|:
Db 1 CAGUGGUUCUGC 14

RESULT 48

US-09-071-845-699
Sequence 699, Application US/09071845
Patent No. 6132967

GENERAL INFORMATION:

APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 699:

SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-071-845-699

Query Match

8.3%; Score 10.8; DB 1; Length 15;

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Best Local Similarity 50.0%; Pred. No. 31;
Matches 7; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1421 CAGTGGTTCTATGC 1434
DB 1 CAGUGGUCUCUGC 14

RESULT 49
US-09-081-646-657
; Sequence 657, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 657
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-657

Query Match
Best Local Similarity 8.3%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1346 CAGGGGAACAAAA 1359
DB 1 CATGGGAAAAAAA 14

RESULT 50
US-08-453-623-30
; Sequence 30, Application US/08453623
; Patent No. 6649340
; GENERAL INFORMATION:
; APPLICANT: Crea, Roberto
; TITLE OF INVENTION: Walk-Through Mutagenesis
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: 2 Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/453,623
FILING DATE: 30-May-1995
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,600
FILING DATE: 05-APR-1991
APPLICATION NUMBER: PCT/US91/02362
FILING DATE: 05-APR-1991
APPLICATION NUMBER: US 07/505,314
FILING DATE: 05-APR-1990
ATTORNEY/AGENT INFORMATION:

```

```

NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: RC90-01AY
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-08-453-623-30

Query Match
Best Local Similarity 8.3%; Score 10.8; DB 1; Length 15;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1436 GACATATACATGGA 1449
DB 1 GACTTCTACATGGA 14

RESULT 51
US-08-173-489C-190/c
; Sequence 190, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: HANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 190:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 bases
TYPE: nucleic acid
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from Hepatitis B
DESCRIPTION: isolate adw2 sequence region in Seq ID No. 5861244189
HYPOTHETICAL: yes
ANTI-SENSE: no
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 190 :FROM 1 TO 12

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Best Local Similarity 84.6%; Pred. No. 33;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1409 GTTAATGATGACC 1421
Db 1 GTTAATGATGACC 13

RESULT 53
US-08-173-489C-279
; Sequence 279, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 279:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 16S rRNA gene from *Coxiella burnetii*
; DESCRIPTION: (Accession # M21291) nucleotides 444 to 453
; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: *Coxiella burnetii*
; PUBLICATION INFORMATION:
; AUTHORS: Weisburg, W G, Dobson, M E, Samuel, J E,
; AUTHORS: Dasch, G A, Mallavia, L P, Mandelco, L,
; AUTHORS: Sechrest, J E, Weiss, E, Woese, C R.
; TITLE: Phylogenetic diversity of the
; TITLE: *Rickettsiae*
; JOURNAL: Journal of Bacteriology
; VOLUME: 171
; PAGES: 4202-4206
; DATE: 1989
; RELEVANT RESIDUES IN SEQ ID NO: 279 :FROM 1 TO 10
US-08-173-489C-279

Query Match 7.7%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-08-173-489C-190
Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 30;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAAAAA 1359
Db 12 GGGGAGAAAAA 1

RESULT 52
US-08-927-219-9
; Sequence 9, Application US/08927219
; Patent No. 6187533
; GENERAL INFORMATION:
; APPLICANT: Bell, Graeme I.
; APPLICANT: Yamagata, Kazuya
; APPLICANT: Oda, Naohisha
; APPLICANT: Kaisaki, Pamela J.
; APPLICANT: Furuta, Hiroto
; APPLICANT: Horikawa, Yukio
; APPLICANT: Menzel, Stephen
; TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY
; TITLE OF INVENTION: GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA
; TITLE OF INVENTION: AND HNF-4ALPHA
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Artold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/927,219
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/029,679
; FILING DATE: 30-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,056
; FILING DATE: 02-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/025,719
; FILING DATE: 10-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Wilson, Mark B.
; REGISTRATION NUMBER: 37,259
; REFERENCE/DOCKET NUMBER: ARCD:272
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 7
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "N = A, C, G, or T"
US-08-927-219-9

Query Match 8.0%; Score 10.4; DB 1; Length 13;

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Wed Apr 7 08:00:50 2004

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Wed Apr 7 08:00:50 2004

```
STATE: NEW YORK
COUNTRY: USA
ZIP: 10021
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 22 DEC 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/968,436
FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179
REFERENCE/DOCKET NUMBER: U9518-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 708-1880
TELEFAX: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 132:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from Hepatitis B
HYPOTHETICAL: yes
ANTI-SENSE: no
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 132 :FROM 1 TO 11
US-08-173-489C-132
Query Match 7.7%; Score 10; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1347 AGGGGAAGAA 1356
DB 11 AGGGGAAGAA 2
RESULT 57
US-09-384-327-3/c
Sequence 3, Application US/09384327
Patent No. RE37806
GENERAL INFORMATION:
APPLICANT: Grinnell, Brian W.
TITLE OF INVENTION: METHOD FOR COAMPLIFICATION OF HUMAN
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Eli Lilly and Company
STREET: Lilly Corporate Center/Patent Division
CITY: Indianapolis
STATE: IN
COUNTRY: US
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/384,327
FILING DATE: 16-Aug-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: 08/458,372
```

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FILING DATE: 02-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: No. RE37806man, Douglas K.
REGISTRATION NUMBER: 33,267
REFERENCE/DOCKET NUMBER: X-66061
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2958
TELEFAX: 317-277-1917
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-384-327-3
Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1388 CTGATCAAG 1397
DB 12 CTGATCAAG 3
RESULT 58
US-08-458-372-3/c
Sequence 3, Application US/08458372
Patent No. 5681932
GENERAL INFORMATION:
APPLICANT: Grinnell, Brian W.
TITLE OF INVENTION: METHOD FOR COAMPLIFICATION OF HUMAN
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Eli Lilly and Company
STREET: Lilly Corporate Center/Patent Division
CITY: Indianapolis
STATE: IN
COUNTRY: US
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,372
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5681932man, Douglas K.
REGISTRATION NUMBER: 33,267
REFERENCE/DOCKET NUMBER: X-66061
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2958
TELEFAX: 317-277-1917
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-08-458-372-3
Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1388 CTGATCAAG 1397
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Db 12 CIGATCAAG 3

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RESULT 59

US-08-173-489C-333

; Sequence 333, Application US/08173489C

; Patent No. 5861244

; GENERAL INFORMATION:

; APPLICANT: WANG, C. -G.

; APPLICANT: HEPBURN, A. G.

; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA

; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.

; NUMBER OF SEQUENCES: 365

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,

; STREET: 510 EAST 73RD STREET,

; CITY: NEW YORK

; STATE: NEW YORK

; COUNTRY: USA

; ZIP: 10021

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 1.44Mb storage

; COMPUTER: IBM PC/XT/AT

; OPERATING SYSTEM: MS-DOS version 6.2

; SOFTWARE: Wordperfect Version 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/173,489C

; FILING DATE: 22 DEC 1993

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/969,436

; FILING DATE: 29 OCT 1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Handelman, Joseph H.

; REGISTRATION NUMBER: 26,179

; REFERENCE/DOCKET NUMBER: U9518-6

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (attorney) (212) 708-1880

; TELEFAX: (attorney) (212) 246-8959

; INFORMATION FOR SEQ ID NO: 333:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 13 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double stranded

; TOPOLOGY: linear

; MOLECULE TYPE: genomic DNA

; DESCRIPTION: 16s rRNA gene from *Neisseria*

; DESCRIPTION: gonorrhoeae (Accession # X07714) nucleotides

; DESCRIPTION: 445 to 457

; HYPOTHETICAL: no

; ANTI-SENSE: no

; ORIGINAL SOURCE:

; ORGANISM: *Neisseria gonorrhoeae*

; STRAIN: NCTC 83785

; PUBLICATION INFORMATION:

; AUTHORS: Rossau, R, Heyndrickx, L, van

; AUTHORS: Heuvelswyn, H.

; TITLE: Nucleotide sequence of a 16s

; TITLE: ribosomal RNA gene from *Neisseria gonorrhoeae*

; JOURNAL: Nucleic Acids Research

; VOLUME: 16

; PAGES: 6227-6227

; DATE: 1988

; RELEVANT RESIDUES IN SEQ ID NO: 333 :FROM 1 TO 13

US-08-173-489C-333

Query Match 7.7%; Score 10; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 39;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1349 GCGAAGAAAA 1358

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DB 2 GCGAGAGAAA 11

RESULT 60
US-09-374-135-9
; Sequence 9, Application US/09374135
; Patent No. 627972
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel E.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Leong, Kahan
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Saffran, Douglas C.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: BPC-1: A SECRETED BRAIN-SPECIFIC PROTEIN EXPRESSED AND
; TITLE OF INVENTION: SECRETED BY PROSTATE AND BLADDER CANCER CELLS
; FILE REFERENCE: 1703-017 US1
; CURRENT APPLICATION NUMBER: US/09/374,135
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: 60/095,982
; PRIOR FILING DATE: 1998-08-10
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: cDNA synthesis
US-09-374-135-9

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466
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Db 3 TTGATCAAGC 12

RESULT 61
US-09-410-132-5
; Sequence 5, Application US/09410132
; Patent No. 6509458
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel E.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Stephen C.
; TITLE OF INVENTION: NOVEL GENE EXPRESSED IN PROSTATE CANCER
; FILE REFERENCE: 1703-021 US1
; CURRENT APPLICATION NUMBER: US/09/410,132
; CURRENT FILING DATE: 1999-09-30
; EARLIER APPLICATION NUMBER: 60/102,572
; EARLIER FILING DATE: 1998-09-30
; EARLIER APPLICATION NUMBER: 60/146,584
; EARLIER FILING DATE: 1999-07-28
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: cDNA synthesis
US-09-410-132-5

Query Match 7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1457 TTGATCAAGC 1466

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Db      3 TTGATCAAGC 12
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RESULT 62
US-09-702-114A-3
; Sequence 3, Application US/09702114A
; Patent No. 656078
; GENERAL INFORMATION:
; APPLICANT: Arthur B. Raitano
; APPLICANT: Arya Jakobovits
; APPLICANT: Mary Faris
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Steve Chappell Mitchell
; TITLE OF INVENTION: 36P6D5: SECRETED TUMOR ANTIGEN
; FILE REFERENCE: 129-22-US-U1
; CURRENT APPLICATION NUMBER: US/09/702,114A
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/162,417
; PRIOR FILING DATE: 1999-10-28
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-702-114A-3

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1457 TTGATCAAGC 1466
|||||
Db      3 TTGATCAAGC 12

RESULT 63
US-09-638-203-11
; Sequence 11, Application US/09638203
; Patent No. 6602501
; GENERAL INFORMATION:
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Arya Jakobovits
; APPLICANT: Arthur B. Raitano
; TITLE OF INVENTION: NOVEL C-TYPE LECTIN TRANSMEMBRANE
; TITLE OF INVENTION: ANTIGEN EXPRESSED IN HUMAN PROSTATE CANCER AND USES THEREOF
; FILE REFERENCE: 129.20USU1
; CURRENT APPLICATION NUMBER: US/09/638,203
; CURRENT FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/148,935
; PRIOR FILING DATE: 1999-08-12
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-638-203-11

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1457 TTGATCAAGC 1466
|||||
Db      3 TTGATCAAGC 12

RESULT 64
US-09-375-673B-10
; Sequence 10, Application US/09375673B
; Patent No. 6605431
; GENERAL INFORMATION:
; APPLICANT: GOURSE, RICHARD L.
; APPLICANT: ESTREN, SHAWN T.
; APPLICANT: ROSS, WILLMA E.
; APPLICANT: GAAL, TAWAS
; TITLE OF INVENTION: PROMOTER ELEMENTS AND METHODS OF USE
; FILE REFERENCE: 11900130101
; CURRENT APPLICATION NUMBER: US/09/375,673B
; CURRENT FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Distal
; OTHER INFORMATION: accessory promoter element
US-09-375-673B-10

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1354 GAAATATATT 1363
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Db      1 GAAATATATT 10

RESULT 65
US-09-409-938-9
; Sequence 9, Application US/09409938
; Patent No. 6652859
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Mitchell, Stephen C.
; TITLE OF INVENTION: PTANS: TESTIS SPECIFIC PROTEINS
; TITLE OF INVENTION: EXPRESSED IN PROSTATE CANCER
; FILE REFERENCE: 129.26-US-U4
; CURRENT APPLICATION NUMBER: US/09/409,938
; CURRENT FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 60/102,556
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 60/102,910
; PRIOR FILING DATE: 1998-10-02
; PRIOR APPLICATION NUMBER: 60/113,229
; PRIOR FILING DATE: 1998-12-21
; PRIOR APPLICATION NUMBER: 60/129,518
; PRIOR FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: cDNA Synthesis Primer
US-09-409-938-9

Query Match      7.7%; Score 10; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1457 TTGATCAAGC 1466
|||||
Db      3 TTGATCAAGC 12

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RESULT 66
US-08-372-183-5
; Sequence 5, Application US/08372183
; Patent No. 6005086
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; APPLICANT: Forman, Barry M.
; APPLICANT: Weinberger, Cary A.
; TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
; BY FARNESOID ACTIVATED RECEPTORS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/372,183
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9844
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-546-4737
; TELEFAX: 619-546-9392
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid;
; DESCRIPTION: Oligonucleotide
US-08-372-183-5
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1425 CGTTCATGCAGA 1437
Db 1 CTTTCATGCACA 13
RESULT 67
US-08-607-078-3
; Sequence 3, Application US/08607078
; Patent No. 6090947
; GENERAL INFORMATION:
; APPLICANT: California Institute of Technology
; TITLE OF INVENTION: Method for the Synthesis of Pyrrole
; and Imidazole Carboxamides on a
; TITLE OF INVENTION: Solid Support
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Swanson & Bratschun, L.L.C.
; STREET: 8400 E. Prentice Avenue, Suite 200
; CITY: Englewood
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MG

COMPUTER: IBM pc compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/607,078
FILING DATE: February 26, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Rosemary P. Kellogg
REGISTRATION NUMBER: 39,726
REFERENCE/DOCKET NUMBER: CIT 2347
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 793-3333
TELEFAX: (303) 793-3433
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-607-078-3
Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1431 ATGCAGACATATA 1443
Db 1 ATATAGACATATA 13
RESULT 68
US-09-469-721-5
; Sequence 5, Application US/09469721
; Patent No. 6184353
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; APPLICANT: Forman, Barry M.
; APPLICANT: Weinberger, Cary A.
; TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
; BY FARNESOID ACTIVATED RECEPTORS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER:
; APPLICATION NUMBER: US/09/469,721
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/372,183
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9844
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-546-4737
; TELEFAX: 619-546-9392
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:

schultz911-3.rni

Wed Apr 7 08:00:50 2004

```

; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid;
; DESCRIPTION: Oligonucleotide
US-09-469-721-5
Query Match      7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1425 CGTTCATGCGACA 1437
Db 1 CGTTCATGCGACA 13

RESULT 69
US-09-696-443-5
; Sequence 5, Application US/09696443
; Patent No. 6416957
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; FORMAN, BARRY M.
; WEINBERGER, CARY A.
; TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
; BY FARNESOID ACTIVATED RECEPTORS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/696,443
; FILING DATE: 24-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/372,183
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9844
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-546-4737
; TELEFAX: 619-546-9392
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid;
; DESCRIPTION: Oligonucleotide
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-696-443-5
Query Match      7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1425 CGTTCATGCGACA 1437
Db 1 CGTTCATGCGACA 13
```

```

RESULT 70
US-09-359-921-3
; Sequence 3, Application US/09359921
; Patent No. 6545162
; GENERAL INFORMATION:
; APPLICANT: DERVAN, PETER B.
; BAIRD, ELDON E.
; TITLE OF INVENTION: METHOD FOR THE SYNTHESIS OF PYRROLE AND IMIDAZOLE
; FILE REFERENCE: CARBOXAMIDES ON A SOLID SUPPORT
; FILE REFERENCE: 025098-1602
; CURRENT APPLICATION NUMBER: US/09/359,921
; CURRENT FILING DATE: 1999-07-22
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO: 3
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-09-359-921-3
Query Match      7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATA 1443
Db 1 ATATAGACATATA 13

RESULT 71
US-09-360-344-3
; Sequence 3, Application US/09360344
; Patent No. 6683189
; GENERAL INFORMATION:
; APPLICANT: DERVAN, PETER B.
; BAIRD, ELDON E.
; TITLE OF INVENTION: METHOD FOR THE SYNTHESIS OF PYRROLE AND IMIDAZOLE
; FILE REFERENCE: CARBOXAMIDES ON A SOLID SUPPORT
; FILE REFERENCE: 025098-1604
; CURRENT APPLICATION NUMBER: US/09/360,344
; CURRENT FILING DATE: 1999-07-22
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO: 3
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-09-360-344-3
Query Match      7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1431 ATGCAGACATATA 1443
Db 1 ATATAGACATATA 13

RESULT 72
PCT-US95-17023-5
; Sequence 5, Application PC/TUS9517023
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; FORMAN, BARRY M.
; WEINBERGER, CARY A.
; TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
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Wed Apr 7 08:00:50 2004

```

; TITLE OF INVENTION: BY FARNESOID ACTIVATED RECEPTORS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17023
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E.
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: P41 9844
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-546-4737
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid;
; DESCRIPTION: Oligonucleotide
; PCT-US95-17023-5

Query Match 7.5%; Score 9.8; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 43;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1425 CGTTCATGACGA 1437
DB 1 CGTTCATGACGA 13

RESULT 73
US-08-393-734-8/c
; Sequence 8, Application US/08393734
; Patent No. 5652224
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Kozarsky, Karen F.
; APPLICANT: Strauss, Jerome F.
; TITLE OF INVENTION: Methods and Compositions for Gene
; TITLE OF INVENTION: Therapy for the Treatment of Defects in Lipoprotein
; TITLE OF INVENTION: Metabolism
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr., PO Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,734
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:

```

```

; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: UPNH1254USA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-540-9200
; TELEFAX: 215-540-5818
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; US-08-393-734-8

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAATATATCC 1365
DB 14 AGACAAATATAC 2

RESULT 74
US-08-836-022A-8/c
; Sequence 8, Application US/08836022A
; Patent No. 6001557
; GENERAL INFORMATION:
; APPLICANT: Trustees of the University of Pennsylvania
; APPLICANT: Wilson, James M.
; APPLICANT: Fisher, Krishna J.
; APPLICANT: Chen, Shu-Jen
; APPLICANT: Weltzman, Matthew
; TITLE OF INVENTION: Improved Adenovirus Virus and
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr, P O Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,022A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/331,381
; FILING DATE: 28-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GNVFN.008PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-540-9200
; TELEFAX: 215-540-5818
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; US-08-836-022A-8

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;

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Wed Apr 7 08:00:50 2004

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Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
DB 14 AGACAAATATTC 2

RESULT 75
US-08-913-833-78
; Sequence 78, Application US/08913833
; Patent No. 6087093
; GENERAL INFORMATION:
; APPLICANT: STUYVER, LIEVEN
; APPLICANT: LOUWAGIE, JOOST
; APPLICANT: ROSSAU, RUDI
; TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
; TITLE OF INVENTION: MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/913,833
; FILING DATE: 15 Sep 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP97/00211
; FILING DATE: 17 Jan 1997
; APPLICATION NUMBER: EP 9687005.4
; FILING DATE: 26 Jan 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 96870081.5
; FILING DATE: 25 Jun 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:008
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-913-833-78
; Query Match 7.5%; Score 9.8; DB 1; Length 14;
; Best Local Similarity 84.6%; Pred. No. 47;
; Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1441 ATACATGAGAT 1453
DB 2 ATACATAGATGAT 14

RESULT 76
US-08-894-489-8/c
; Sequence 8, Application US/08894489
; Patent No. 6174527
; GENERAL INFORMATION:
; APPLICANT: Willson, James M.
; APPLICANT: Kozarsky, Karen F.
; APPLICANT: Strauss, Jerome F.
; TITLE OF INVENTION: Methods and Compositions for Gene
; TITLE OF INVENTION: Therapy for the Treatment of Defects in Lipoprotein
; TITLE OF INVENTION: Metabolism
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr., PO Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/894,489
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/393,734
; FILING DATE: 24-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GNVPN.009CIP1USA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-540-9200
; TELEFAX: 215-540-5818
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; US-08-894-489-8
; Query Match 7.5%; Score 9.8; DB 1; Length 14;
; Best Local Similarity 84.6%; Pred. No. 47;
; Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365
DB 14 AGACAAATATTC 2

RESULT 77
US-09-427-048A-8/c
; Sequence 8, Application US/09427048A
; Patent No. 6203975
; GENERAL INFORMATION:
; APPLICANT: Trustees of the University of Pennsylvania
; APPLICANT: Wilson, James M.
; APPLICANT: Fisher, Krishna J.
; APPLICANT: Chen, Shu-Jen
; APPLICANT: Weitzman, Matthew
; TITLE OF INVENTION: Improved Adenovirus Virus and
; TITLE OF INVENTION: Methods of Use Thereof
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr, P O Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/427,048A

FILING DATE: 21-Oct-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/836,022

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Bak, Mary E.

REGISTRATION NUMBER: 31,215

REFERENCE/DOCKET NUMBER: GNPVN.008PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-540-3200

TELEFAX: 215-540-5818

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 14 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 8:

US-09-427-048A-8

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1365

DB 14 AGACAAATATAC 2

RESULT 78

US-09-580-794C-78

Sequence 78, Application US/09580794C

Patent No. 6331389

GENERAL INFORMATION:

APPLICANT: Stuyver, Lieven

APPLICANT: Lousau, Rudi

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: Kousaie, Joost

APPLICANT: WONG, RAYMOND W.K.; SUTHERLAND, MARGARET L.
TITLE OF INVENTION: EXCRETION OF HETEROLOGOUS PROTEINS
FROM E. COLI

NUMBER OF SEQUENCES: 6

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/395,797

FILING DATE: 18-AUG-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 239,145

FILING DATE: 31-AUG-1988

SEQ ID NO:5:

LENGTH: 14

5223407-5

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGGAGTAAATT 1408

DB 1 AGGAGGAAAAAT 13

RESULT 82

5223407-6

Patent No. 5223407

APPLICANT: WONG, RAYMOND W.K.; SUTHERLAND, MARGARET L.

TITLE OF INVENTION: EXCRETION OF HETEROLOGOUS PROTEINS

FROM E. COLI

NUMBER OF SEQUENCES: 6

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/395,797

FILING DATE: 18-AUG-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 239,145

FILING DATE: 31-AUG-1988

SEQ ID NO:6:

LENGTH: 14

5223407-6

Query Match 7.5%; Score 9.8; DB 1; Length 14;
Best Local Similarity 84.6%; Pred. No. 47;
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1396 AGGAGTAAATT 1408

DB 1 AGGAGGAAAAAT 13

RESULT 83

US-07-910-867B-15

Sequence 15, Application US/07910867B

Patent No. 5597895

GENERAL INFORMATION:

APPLICANT: Gaynor, Richard B.

APPLICANT: Garcia, Joseph A.

APPLICANT: Harrich, David

TITLE OF INVENTION: Transdominant Tat Mutants and Uses

TITLE OF INVENTION: Thereof

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: Texas

COUNTRY: US

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/910,867B
FILING DATE: 02-JUL-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mayfield, Denise L.
REGISTRATION NUMBER: 33,732
REFERENCE/DOCKET NUMBER: UTSD:263/MAY
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
TELEX: N/A

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 11 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

US-07-910-867B-15

Query Match 7.2%; Score 9.4; DB 1; Length 11;

Best Local Similarity 90.9%; Pred. No. 44;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AGATGGGTG 1459

DB 1 AGATGGGTG 11

RESULT 84

US-08-346-613-15

Sequence 15, Application US/08346613

Patent No. 5686264

GENERAL INFORMATION:

APPLICANT: GAYNOR, RICHARD B.

APPLICANT: GARCIA, JOSEPH A.

APPLICANT: HARRICH, DAVID

TITLE OF INVENTION: TRANSDOMINANT Tat MUTANTS AND USES

TITLE OF INVENTION: THEREOF

NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:

ADDRESSEE: ARNOLD, WHITE & DURKEE

STREET: P.O. BOX 4433

CITY: HOUSTON

STATE: TEXAS

COUNTRY: USA

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/346,613

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/910,867

FILING DATE: 07/02/92

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: MAYFIELD, DENISE L.

REGISTRATION NUMBER: 33,732

REFERENCE/DOCKET NUMBER: UTSD:263/MAY

TELECOMMUNICATION INFORMATION:

TELEPHONE: 512-320-7200

TELEFAX: 512-474-7577

TELEX: NOT APPLICABLE

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 11 base pairs

TYPE: nucleic acid

```

; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-346-613-15

Query Match          7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTG 1459
Db 1 AAGATGGGTG 11

RESULT 85
US-08-983-108-24/c
; Sequence 24, Application US/08983108
; Patent No. 5972612
; GENERAL INFORMATION:
; APPLICANT: Malmqvist, Magnus
; TITLE OF INVENTION: METHOD FOR NUCLEIC ACID SEQUENCING
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 15-MAY-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Loop, Thomas E.
; REGISTRATION/DOCKET NUMBER: 41,181
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-983-108-24

Query Match          7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1357 AAATATTCAC 1367
Db 11 AAATATTCAC 11

RESULT 86
US-08-929-856-2
; Sequence 2, Application US/08929856
; Patent No. 6136568
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; TITLE OF INVENTION: DE NOVO POLYNUCLEOTIDE SYNTHESIS USING
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LERNER, DAVID, LITTENBERG, KRUMHOLZ &
; STREET: 600 South, Avenue West
; CITY: Westfield
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07090
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 15-SEP-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Foley, Shawn P.
; REGISTRATION/DOCKET NUMBER: 33,071
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-654-5000
; TELEFAX: 908-654-7866
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-929-856-2

Query Match          7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGAGCGATCG 1383
Db 1 ACGATCGATCG 11

RESULT 87
US-08-929-856-2/c
; Sequence 2, Application US/08929856
; Patent No. 6136568
; GENERAL INFORMATION:
; APPLICANT: Hiatt, Andrew
; TITLE OF INVENTION: DE NOVO POLYNUCLEOTIDE SYNTHESIS USING
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LERNER, DAVID, LITTENBERG, KRUMHOLZ &
; STREET: 600 South, Avenue West
; CITY: Westfield
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07090
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 15-SEP-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Foley, Shawn P.
; REGISTRATION/DOCKET NUMBER: 33,071
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-654-5000
; TELEFAX: 908-654-7866
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-929-856-2

```

TELEPHONE: 908-654-5000
TELEFAX: 908-654-7866
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-929-856-2

Query Match 7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1374 CGAGCGATCGT 1384
||| |||||
Db 11 CGATCGATCGT 1

RESULT 88
PCT-US96-09430-19
Sequence 19, Application PC/TUS9609430
GENERAL INFORMATION:
APPLICANT: Glazer, Peter M.
TITLE OF INVENTION: TREATMENT OF HEMOGLOBINOPATHIES
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: OncorPharm, Inc.
STREET: 200 Perry Parkway
CITY: Gaithersburg
STATE: Maryland
COUNTRY: US
ZIP: 20877
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09430
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/473,845
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Karta, Glenn E.
REGISTRATION NUMBER: 30,649
REFERENCE/DOCKET NUMBER: PA-0040
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-527-2058
TELEFAX: 301-528-6997
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
PCT-US96-09430-19

Query Match 7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 44;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAA 1357
||| |||||
Db 1 AGAGGAAGAAA 11

RESULT 89
US-08-035-928-8
Sequence 8, Application US/08035928
Patent No. 5538844
GENERAL INFORMATION:
APPLICANT: Duyao, Mabel P.
APPLICANT: MacDonald, Marcy E.
APPLICANT: Gusella, James F.
TITLE OF INVENTION: A No. 5538844el Transport Protein Gene from
the Huntington's Disease Region
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1225 Connecticut Avenue N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/035,928
FILING DATE: 19930323
CLASSIFICATION: 435
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 466-0800
TELEFAX: (202) 833-8716
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: both
TOPOLOGY: linear
US-08-035-928-8

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GCAGATCGGT 1457
||| |||||
Db 2 GCAGATCGGT 12

RESULT 90
US-08-214-603-13
Sequence 13, Application US/08214603
Patent No. 5596091
GENERAL INFORMATION:
APPLICANT: SWITZER, Christopher
TITLE OF INVENTION: NOVEL ANTISENSE OLIGONUCLEOTIDES
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Steuart Street tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/214,603
FILING DATE: 18-MAR-1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:

; NAME: Kezer, William B.
; REGISTRATION NUMBER: 37,369
; REFERENCE/DOCKET NUMBER: 2307B-052100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligodeoxynucleotide"
US-08-214-603-13

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1347 AGGGAAGAAA 1357
Db 1 AGGGAAGAAA 11

RESULT 91
US-08-441-887A-119
; Sequence 119, Application US/08441887A
; Patent No. 5837832
; GENERAL INFORMATION:
; APPLICANT: Chee, Mark
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua X.
; APPLICANT: Hubbard, Earl A.
; APPLICANT: Lipshutz, Robert E.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, MacDonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes on
; TITLE OF INVENTION: Biological Chips
; NUMBER OF SEQUENCES: 360
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,887A
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/082,937
; FILING DATE: 25-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joseph O.
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004160US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-326-2400
; TELEFAX: 650-326-2422
; INFORMATION FOR SEQ ID NO: 119:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (probe)
US-08-441-887A-119

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1429 CTATGCAGACA 1439
Db 2 CTATGCAGACA 12

RESULT 92
US-08-173-489C-86/c
; Sequence 86, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44MB storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/969,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 86:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 bases
; TYPE: Nucleic Acid
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: third strand derived from
; DESCRIPTION: retinoblastoma sequence region in Seq ID No. 586124485
; HYPOTHETICAL: Yes
; ANTI-SENSE: No
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 86 :FROM 1 TO 12
US-08-173-489C-86

Query Match 7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1347 AGGGAAGAAA 1357


```
Db      11 AGGAGAGAAA 1
|||||
RESULT 93
US-09-281-418-187
; Sequence 187, Application US/09281418
; Patent No. 6287769
; GENERAL INFORMATION:
; APPLICANT: Inoue, Takakazu
; TITLE OF INVENTION: Method of Amplifying DNA Fragment, Apparatus for Amplifying DNA F
; TITLE OF INVENTION: agent, Method of Assaying Microorganisms, Method of Analyzing Mi
; FILE REFERENCE: 9982-7
; CURRENT APPLICATION NUMBER: US/09/281,418
; CURRENT FILING DATE: 1999-03-30
; EARLIER APPLICATION NUMBER: JP/1998/87651
; EARLIER FILING DATE: 1998-03-31
; EARLIER APPLICATION NUMBER: JP/1999/69694
; EARLIER FILING DATE: 1999-03-16
; NUMBER OF SEQ ID NOS: 216
; SEQ ID NO 187
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-281-418-187

Query Match      7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1363 TCACGCGCATCA 1373
|||
Db      2 TCGACGCGATCA 12

RESULT 94
US-08-927-165A-16
; Sequence 16, Application US/08927165A
; Patent No. 6410226
; GENERAL INFORMATION:
; APPLICANT: Knipec, Eric B.
; APPLICANT: Holloman, William K.
; APPLICANT: Rice, Michael C.
; APPLICANT: Smith, Sheryl T.
; APPLICANT: Shu, Zhigang
; TITLE OF INVENTION: Mammalian and Human Rec2
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kimeragen, Inc.
; STREET: 300 Pheasant Run
; CITY: Newtown
; STATE: PA
; COUNTRY: USA
; ZIP: 18940
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/927,165A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haneburg, Daniel
; REGISTRATION NUMBER: 36156
; REFERENCE/DOCKET NUMBER: 7991-010-999
```

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-504-4444
; TELEFAX: 215-504-4545
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-927-165A-16

Query Match      7.2%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 48;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1348 GGGGAGAGAAA 1358
|||
Db      2 GAGGAGAGAAA 12

RESULT 95
US-08-441-887A-28/c
; Sequence 28, Application US/08441887A
; Patent No. 5837832
; GENERAL INFORMATION:
; APPLICANT: Chee, Mark
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua X.
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes on
; NUMBER OF SEQUENCES: 360
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,887A
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: US 08/082,937
; FILING DATE: 25-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joseph O.
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004160US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-326-2400
; TELEFAX: 650-326-2422
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

```
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (probe)
US-08-441-887A-28

Query Match      7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1463 AAGCAATAGG 1473
Db 13 AATCAATAGG 3

RESULT 96
US-08-441-887A-117
; Sequence 117 Application US/08441887A
; Patent No. 5837832
; GENERAL INFORMATION:
; APPLICANT: Chee, Mark
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Fodor, Stephen P.A.
; APPLICANT: Huang, Xiaohua X.
; APPLICANT: Hubbell, Earl A.
; APPLICANT: Lipshutz, Robert J.
; APPLICANT: Lobban, Peter E.
; APPLICANT: Morris, Macdonald S.
; APPLICANT: Sheldon, Edward L.
; TITLE OF INVENTION: Arrays of Nucleic Acid Probes on
; TITLE OF INVENTION: Biological Chips
; NUMBER OF SEQUENCES: 360
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441.887A
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/143,312
; FILING DATE: 26-OCT-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/082,937
; FILING DATE: 25-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Liebeschuetz, Joseph O.
; REGISTRATION NUMBER: 37,505
; REFERENCE/DOCKET NUMBER: 018547-004160US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-326-2400
; TELEFAX: 650-326-2422
; INFORMATION FOR SEQ ID NO: 117:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (probe)
US-08-441-887A-117

Query Match      7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1402 TAAATTTGTTA 1412
Db 3 TCAATTTGTTA 13

RESULT 97
US-08-430-521-1
; Sequence 1, Application US/08430521
; Patent No. 5925516
; GENERAL INFORMATION:
; APPLICANT: BOTCHAN, MICHAEL R.
; APPLICANT: CLARK, ROBIN
; APPLICANT: MOHR, IAN J.
; APPLICANT: SUN, SHAW
; TITLE OF INVENTION: MEDICAMENTS FOR THE TREATMENT OF
; TITLE OF INVENTION: PAPILLOMAVIRUS DISEASES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REED & ROBINS
; STREET: 285 HAMILTON AVENUE, SUITE 200
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/430,521
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/632,027
; FILING DATE: 21-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: MCCracken, THOMAS P.
; REGISTRATION NUMBER: 38,548
; REFERENCE/DOCKET NUMBER: 2300-0895.11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 327-3400
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-430-521-1

Query Match      7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1365
Db 2 ATRAATATTC 12

RESULT 98
US-08-508-761B-13
; Sequence 13, Application US/08508761B
; Patent No. 6027920
; GENERAL INFORMATION:
; APPLICANT: Joliff, Gwennael
; APPLICANT: Guyonvarch, Armel
; APPLICANT: Purification, Relano
; APPLICANT: Duchiron, Francis
; APPLICANT: Renaud, Michel
; TITLE OF INVENTION: System for Protein Expression and
; TITLE OF INVENTION: Secretion Especially in Corynebacteria
```

```

; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
; STREET: 400 Seventh St. N.W.
; CITY: Washington D.C.
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508,761B
; FILING DATE: 31-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91/09652
; FILING DATE: 29-JUL-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91/09870
; FILING DATE: 02-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: P58525NA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 638-6666
; TELEFAX: (202) 393-5350
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Corynebacterium Melassecola
;
US-08-508-761B-13

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Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAA 1404
Db 1 AAAGGAGGTGA 11

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RESULT 99
US-08-676-818-25
; Sequence 25, Application US/08676818
; Patent No. 6057136
; GENERAL INFORMATION:
; APPLICANT: Bower, Stanley Grant
; APPLICANT: Perkins, John B.
; APPLICANT: Vocum, R. Rogers
; APPLICANT: Pero, Janice G.
; TITLE OF INVENTION: BIOTIN BIOSYNTHESIS IN BACILLUS
; TITLE OF INVENTION: SUBTILIS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)

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; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/676,818
; FILING DATE: 08-JUL-1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/239,430
; FILING DATE: May 6, 1994
; APPLICATION NUMBER: 08/084,709
; FILING DATE: June 25, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Freeman, John W.
; REGISTRATION NUMBER: 29,066
; REFERENCE/DOCKET NUMBER: 04599/004001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
;
US-08-676-818-25

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Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 52;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1394 AAAGGAGGTAA 1404
Db 3 AAAGGAGGTGA 13

RESULT 100
US-08-407-549-25
; Sequence 25, Application US/09407549
; Patent No. 6303377
; GENERAL INFORMATION:
; APPLICANT: Bower, Stanley Grant
; APPLICANT: Perkins, John B.
; APPLICANT: Vocum, R. Rogers
; APPLICANT: Pero, Janice G.
; TITLE OF INVENTION: BIOTIN BIOSYNTHESIS IN BACILLUS
; TITLE OF INVENTION: SUBTILIS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/407,549
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/239,430
; FILING DATE: May 6, 1994
; APPLICATION NUMBER: 08/084,709
; FILING DATE: June 25, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Freeman, John W.
; REGISTRATION NUMBER: 29,066
; REFERENCE/DOCKET NUMBER: 04599/004001

```

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-09-407-549-25
;
; Query Match 7.2%; Score 9.4; DB 1; Length 13;
; Best Local Similarity 90.9%; Pred. No. 52;
; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
; QY 1394 AAAGGAGGTAA 1404
; |||||
; Db 3 AAAGGAGGTGA 13
;
; RESULT 101
; PCT-US91-03680-108/c
; Sequence 108, Replication PC/TUS9103680
; GENERAL INFORMATION:
; APPLICANT: Matteucci, Mark D.
; TITLE OF INVENTION: SEQUENCE-SPECIFIC NONPHOTOACTIVATED
; TITLE OF INVENTION: CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
; NUMBER OF SEQUENCES: 158
; CORRESPONDENCE ADDRESS:
; ADDRESS: Morrison & Foerster
; STREET: 545 Middlefield Road, Suite 200
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/03680
; FILING DATE: 19910524
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 4610-0011.40
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-327-7250
; TELEFAX: 415-327-2951
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 108:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 3
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:
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; NAME/KEY: modified_base
; LOCATION: 6
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 9
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 12
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "(N-methyl-8-oxo-2'-deoxyadenine
; OTHER INFORMATION: (nucleotides that have xylose sugar linked
; OTHER INFORMATION: via the o-xylene ring)"
; PCT-US91-03680-108
;
; Query Match 7.1%; Score 9.2; DB 1; Length 12;
; Best Local Similarity 66.7%; Pred. No. 53;
; Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
;
; QY 1351 GAAGAAATAT 1362
; |||||
; Db 12 GAAGAAATAT 1
;
; Search completed: April 7, 2004, 07:04:52
; Job time : 1 secs
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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95980
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
US-10-257-017B-95980

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTTAATGATG 1418
Db 12 TTGTTTAATGATG 1

RESULT 448
US-10-257-017B-101129/c
; Sequence 101129, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101129
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025162
US-10-257-017B-101129

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 12 CAACATATACA 1

RESULT 449
US-10-257-017B-101130
; Sequence 101130, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 101130
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025162
US-10-257-017B-101130

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 2 ATTGTTAATGAT 13

RESULT 451
US-10-257-017B-110670/c
; Sequence 110670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110670

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 2 ATTGTTAATGAT 13

RESULT 451
US-10-257-017B-110670
; Sequence 110670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027619
US-10-257-017B-110670

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 12 ATTGTTAATGAT 1
```

```
Qy 1434 CAGACATATACA 1445
Db 13 CACATATATACA 2

RESULT 443
US-10-257-017B-89812
; Sequence 89812, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89812
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022510
US-10-257-017B-89812

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1434 CAGACATATACA 1445
Db 1 CACATATATACA 12

RESULT 444
US-10-257-017B-91971/c
; Sequence 91971, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 91971
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023002
US-10-257-017B-91971

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCAA 1

RESULT 445
US-10-257-017B-91972
; Sequence 91972, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 91972
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023002
US-10-257-017B-91972

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTCAA 13

RESULT 446
US-10-257-017B-95979
; Sequence 95979, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95979
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
US-10-257-017B-95979

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTTATGATG 1418
Db 2 TTGTTTATGATG 13

RESULT 447
US-10-257-017B-95980/c
; Sequence 95980, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020278
US-10-257-017B-79875

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTAA 1413
Db 13 TAAAAATCTTAA 2

RESULT 439
US-10-257-017B-79876
; Sequence 79876 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020278
US-10-257-017B-79876

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTAA 1413
Db 1 TAAAAATCTTAA 12

RESULT 440
US-10-257-017B-81585
; Sequence 81585 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81585
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020645
US-10-257-017B-81585

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTAA 1413
Db 2 TAAAAATTTTAA 13

RESULT 441
US-10-257-017B-81586/c
; Sequence 81586 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81586
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020645
US-10-257-017B-81586

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTAA 1413
Db 12 TAAAAATTTTAA 1

RESULT 442
US-10-257-017B-89811/c
; Sequence 89811 Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 89811
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022510
US-10-257-017B-89811

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAA 1405
Db 13 AAAGGAGATAA 2

RESULT 434

US-10-257-017B-75919
; Sequence 75919, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75919
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019454
US-10-257-017B-75919

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTGAT 1461
Db 1 AAATGGGTGAT 12

RESULT 435

US-10-257-017B-75920/c
; Sequence 75920, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75920
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019454
US-10-257-017B-75920

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTGAT 1461
Db 13 AAATGGGTGAT 2

RESULT 436
US-10-257-017B-77735
; Sequence 77735, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77735
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77735

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 2 ATTATTAATGAT 13

RESULT 437

US-10-257-017B-77736/c
; Sequence 77736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77736
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019794
US-10-257-017B-77736

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 12 ATTATTAATGAT 1

RESULT 438

US-10-257-017B-79875/c
; Sequence 79875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine


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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62608
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016595
US-10-257-017B-62608

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTT 1458
Db 13 GGAAGTGGGTT 2

RESULT 430
US-10-257-017B-64543
; Sequence 64543, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64543
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017022
US-10-257-017B-64543

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 2 GAGGATGGGTTG 13

RESULT 431
US-10-257-017B-64544/c
; Sequence 64544, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64544
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017022
US-10-257-017B-64544

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGGTTG 1459
Db 12 GAGGATGGGTTG 1

RESULT 432
US-10-257-017B-75287
; Sequence 75287, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75287
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019324
US-10-257-017B-75287

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
Db 1 AAAGGAGATAAA 12

RESULT 433
US-10-257-017B-75288/c
; Sequence 75288, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 75288
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0019324
US-10-257-017B-75288
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015625
US-10-257-017B-58211

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1360 TATTCACGCGAT 1371
Db 13 TATTCACGCGAT 2

RESULT 425
US-10-257-017B-58212
; Sequence 58212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015625
US-10-257-017B-58212

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1360 TATTCACGCGAT 1371
Db 1 TATTCACGCGAT 2

RESULT 426
US-10-257-017B-58981
; Sequence 58981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015803
US-10-257-017B-58981

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy 1349 GGAAGAAAAAAT 1360
Db 1 GGAAGAAAAAAT 12

RESULT 427
US-10-257-017B-58982/c
; Sequence 58982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015803
US-10-257-017B-58982

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1349 GGAAGAAAAAAT 1360
Db 13 GGAAGAAAAAAT 2

RESULT 428
US-10-257-017B-62607
; Sequence 62607, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62607
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016595
US-10-257-017B-62607

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGGTT 1458
Db 1 GGAAGATGGGTT 12

RESULT 429
US-10-257-017B-62608/c
; Sequence 62608, Application US/10257017B
; GENERAL INFORMATION:
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RESULT 420
US-10-257-017B-56443/c
; Sequence 56443, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56443
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015305
US-10-257-017B-56443

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 12 AAAAATATCCCA 1

RESULT 421
US-10-257-017B-56444
; Sequence 56444, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56444
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015305
US-10-257-017B-56444

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 2 AAAAATATCCCA 13

RESULT 422
US-10-257-017B-56677
; Sequence 56677, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56677
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015363
US-10-257-017B-56677

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGTTAATAT 12

RESULT 423
US-10-257-017B-56678/c
; Sequence 56678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56678
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015363
US-10-257-017B-56678

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 13 ATTGTTAATAT 2

RESULT 424
US-10-257-017B-58211/c
; Sequence 58211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 58211
; LENGTH: 13
; TYPE: DNA
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 49464
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013987
US-10-257-017B-49464

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
Db 12 TTGTTAATGATG 1

RESULT 416
US-10-257-017B-52751
; Sequence 52751, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52751
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014606
US-10-257-017B-52751

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1442 TACATGGAAGAT 1453
Db 1 TAAATGGAAGAT 12

RESULT 417
US-10-257-017B-52752/c
; Sequence 52752, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 52752
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014606
US-10-257-017B-52752

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1442 TACATGGAAGAT 1453
Db 13 TAAATGGAAGAT 2

RESULT 418
US-10-257-017B-54077/c
; Sequence 54077, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54077
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014866
US-10-257-017B-54077

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCCA 1

RESULT 419
US-10-257-017B-54078
; Sequence 54078, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54078
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014866
US-10-257-017B-54078

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
Db 2 AAAAATATTCCA 13


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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42369
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42369

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1385 CTTCTGATCAAA 1396
    ||||| |||||
Db 12 CTTCTTATCAAA 1

RESULT 407
US-10-257-017B-42370
; Sequence 42370, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42370
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42370

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1385 CTTCTGATCAAA 1396
    ||||| |||||
Db 2 CTTCTTATCAAA 13

RESULT 408
US-10-257-017B-44421
; Sequence 44421, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44421
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013036
US-10-257-017B-44421

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
    ||||| |||||
Db 1 AAAATTGTTTAT 12

RESULT 409
US-10-257-017B-44422/C
; Sequence 44422, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44422
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013036
US-10-257-017B-44422

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
    ||||| |||||
Db 13 AAAATTGTTTAT 2

RESULT 410
US-10-257-017B-48807
; Sequence 48807, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48807
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013866
US-10-257-017B-48807

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
    ||||| |||||
Db 13 AAAATTGTTTAT 2
```

Best Local Similarity 91.7%; Pred. No. 8.4e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 1;

QY 1352 AAGAAAAATATT 1363
Db 13 AAAAAAATATT 2

RESULT 402

US-10-257-017B-41115
; Sequence 41115, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41115
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012387
US-10-257-017B-41115

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 1 ATATAGATGAA 12

RESULT 403

US-10-257-017B-41116/c
; Sequence 41116, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41116
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012387
US-10-257-017B-41116

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
Db 13 ATATAGATGAA 2

RESULT 404

US-10-257-017B-42367/c
; Sequence 42367, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42367
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42367

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTCATCAAA 1396
Db 12 CTTCTCATCAAA 1

RESULT 405

US-10-257-017B-42368
; Sequence 42368, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012640
US-10-257-017B-42368

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1385 CTTCTCATCAAA 1396
Db 2 CTTCTCATCAAA 13

RESULT 406

US-10-257-017B-42369/c
; Sequence 42369, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
US-10-257-017B-42369

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39576
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012093
US-10-257-017B-39576

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTAAT 2

RESULT 398
US-10-257-017B-40809
; Sequence 40809, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40809
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012339
US-10-257-017B-40809

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1347 AGGGGAAGAAAA 1358
Db 2 AGGGGAAGAAAA 13

RESULT 399
US-10-257-017B-40810/c
; Sequence 40810, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 40810
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012339
US-10-257-017B-40810

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1347 AGGGGAAGAAAA 1358
Db 12 AGGGGAAGAAAA 1

RESULT 400
US-10-257-017B-41013
; Sequence 41013, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41013
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012376
US-10-257-017B-41013

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
Db 1 AAAAAAATATT 12

RESULT 401
US-10-257-017B-41014/c
; Sequence 41014, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 41014
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012376
US-10-257-017B-41014

Query Match      8.0%; Score 10.4; DB 1; Length 13;
```


; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010636
US-10-257-017B-33447

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
|||||
Db 1 GAGGTAAGATTG 12

RESULT 393
US-10-257-017B-33448/c
; Sequence 33448, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33448
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010636
US-10-257-017B-33448

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
|||||
Db 13 GAGGTAAGATTG 2

RESULT 394
US-10-257-017B-36071
; Sequence 36071, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36071
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011349
US-10-257-017B-36071

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
|||||

Db 1 TAAATTTGTTTA 12

RESULT 395
US-10-257-017B-36072/c
; Sequence 36072, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 36072
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011349
US-10-257-017B-36072

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
|||||
Db 13 TAAATTTGTTTA 2

RESULT 396
US-10-257-017B-39575
; Sequence 39575, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39575
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012093
US-10-257-017B-39575

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTTGTTAA 1414
|||||
Db 1 AAAATTTGTTAA 12

RESULT 397
US-10-257-017B-39576/c
; Sequence 39576, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39576
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012093
US-10-257-017B-39576

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; Sequence 32553, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32553
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010157
US-10-257-017B-32553

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAAAATAT 1362
Db 2 GAAGAAAAATAT 13

RESULT 389
US-10-257-017B-32554/c
; Sequence 32554, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32554
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010157
US-10-257-017B-32554

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAAAATAT 1362
Db 12 GAAGAAAAATAT 1

RESULT 390
US-10-257-017B-32991
; Sequence 32991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32991
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010460
US-10-257-017B-32991

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
Db 2 AGATTGTTAATG 13

RESULT 391
US-10-257-017B-32992/c
; Sequence 32992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 32992
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010460
US-10-257-017B-32992

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
Db 12 AGATTGTTAATG 1

RESULT 392
US-10-257-017B-33447
; Sequence 33447, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 33447
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010460
US-10-257-017B-33447

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004976
US-10-257-017B-23470

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATCCCA 1366
   |||||
Db 2 AAAAATATCCCA 13

RESULT 384
US-10-257-017B-27571/c
; Sequence 27571, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27571
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007678
US-10-257-017B-27571

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGCATATACAT 1446
   |||||
Db 13 AAACATATACAT 2

RESULT 385
US-10-257-017B-27572
; Sequence 27572, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27572
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007678
US-10-257-017B-27572

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGCATATACAT 1446
   |||||
Db 13 AAACATATACAT 2
```

```
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGCATATACAT 1446
   |||||
Db 1 AAACATATACAT 12

RESULT 386
US-10-257-017B-27835
; Sequence 27835, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27835
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007837
US-10-257-017B-27835

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
   |||||
Db 1 GTAAATTTGTTA 12

RESULT 387
US-10-257-017B-27836/c
; Sequence 27836, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27836
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007837
US-10-257-017B-27836

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
   |||||
Db 13 GTAAATTTGTTA 2

RESULT 388
US-10-257-017B-32553
```

```
RESULT 379
US-10-257-017B-20130/c
; Sequence 20130, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20130
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004129
US-10-257-017B-20130

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1405 AATTGTTAATGA 1416
Db 13 AATTGTTAAGGA 2

RESULT 380
US-10-257-017B-20185/c
; Sequence 20185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004139
US-10-257-017B-20185

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAAGCAATA 1471
Db 13 ATCAACAATA 2

RESULT 381
US-10-257-017B-20186
; Sequence 20186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004139
US-10-257-017B-20186

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTTCA 1366
Db 12 AAAAATATTTCA 1

RESULT 382
US-10-257-017B-23469/c
; Sequence 23469, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23469
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004976
US-10-257-017B-23469

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTTCA 1366
Db 12 AAAAATATTTCA 1

RESULT 383
US-10-257-017B-23470
; Sequence 23470, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 23470
```

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13621
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003139
US-10-257-017B-13621

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 12 AAAATATTCAAC 1

RESULT 375
US-10-257-017B-13622
; Sequence 13622, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13622
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003139
US-10-257-017B-13622

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 12 AAAATATTCAAC 1

RESULT 376
US-10-257-017B-15937/c
; Sequence 15937, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15937
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15937

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCCAC 1367
Db 2 AAAATATTCAAC 13

RESULT 377
US-10-257-017B-15938
; Sequence 15938, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15938
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15938

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAATATTCCCA 1366
Db 2 AAAATATTCCCA 13

RESULT 378
US-10-257-017B-20129
; Sequence 20129, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20129
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004129
US-10-257-017B-20129

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
Db 1 AATTGTTAAGGA 12
```


; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3648
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3648

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAATATT 1363
Db 12 AAGAAATAATT 1

RESULT 366
US-10-257-017B-6923
; Sequence 6923, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 6923
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002071
US-10-257-017B-6923

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
Db 2 AAAATTGTTATT 13

RESULT 367
US-10-257-017B-6924/c
; Sequence 6924, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 6924
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002071
US-10-257-017B-6924

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGTTATT 1

RESULT 368
US-10-257-017B-10319
; Sequence 10319, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10319
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002624
US-10-257-017B-10319

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
Db 2 TAATATTGTTAA 13

RESULT 369
US-10-257-017B-10320/c
; Sequence 10320, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 10320
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0002624
US-10-257-017B-10320

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
Db 12 AAAAAAATATT 1

RESULT 361
US-10-257-017B-3642
; Sequence 3642, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3642
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3642

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
Db 2 AAAAAAATATT 13

RESULT 362
US-10-257-017B-3645
; Sequence 3645, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3645
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3645

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
Db 2 AAAAAAATATT 13

RESULT 363
US-10-257-017B-3646/c
; Sequence 3646, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3646
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3646

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
Db 12 AAGAAGAATATT 1

RESULT 364
US-10-257-017B-3647
; Sequence 3647, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3647
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3647

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
Db 2 AAGAATAATATT 13

RESULT 365
US-10-257-017B-3648/c
; Sequence 3648, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 1275
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000435
US-10-257-017B-1275

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1400 GGTAATAATTGTT 1411
Db      1 GGTAATAATTTT 12

RESULT 357
US-10-257-017B-1276/c
; Sequence 1276, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 1276
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000435
US-10-257-017B-1276

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1400 GGTAATAATTGTT 1411
Db      13 GGTAATAATTTT 2

RESULT 358
US-10-257-017B-3261
; Sequence 3261, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3261
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001237
US-10-257-017B-3261

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1401 GTAAAATTGTTA 1412
Db      1 GTAAAATTGTGA 12

RESULT 359
US-10-257-017B-3262/c
; Sequence 3262, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3262
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001237
US-10-257-017B-3262

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1401 GTAAAATTGTTA 1412
Db      13 GTAAAATTGTGA 2

RESULT 360
US-10-257-017B-3641/c
; Sequence 3641, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 3641
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001395
US-10-257-017B-3641
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008405
US-10-257-017B-379142

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAATA 1471
Db 1 ATCAATCAATA 12
||||| |||||

RESULT 352
US-10-257-017B-379867/c
; Sequence 379867, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379867
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009746
US-10-257-017B-379867

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAATAATT 1363
Db 12 AAGAAATAATT 1
||||| |||||

RESULT 353
US-10-257-017B-380141/c
; Sequence 380141, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 380141
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063658
US-10-257-017B-380141

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1355 AAAAATATTTCA 1366
Db 12 AAAAATATTTCA 1
||||| |||||

RESULT 354
US-10-257-017B-381455/c
; Sequence 381455, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381455
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064373
US-10-257-017B-381455

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGAAGAAAA 1358
Db 12 AGGGAAGAAAA 1
||||| |||||

RESULT 355
US-10-257-017B-381597/c
; Sequence 381597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381597
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064452
US-10-257-017B-381597

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTAT 1414
Db 12 AAAATTGTAT 1
||||| |||||

RESULT 356
US-10-257-017B-1275
; Sequence 1275, Application US/10257017B
; GENERAL INFORMATION:
```

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RESULT 347
US-10-257-017B-373223/c
; Sequence 373223, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373223
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059916
US-10-257-017B-373223

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 12 TTTTAAATGATG 1

RESULT 348
US-10-257-017B-373309/c
; Sequence 373309, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373309
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059967
US-10-257-017B-373309

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 12 GGAGAAGAAAAA 1

RESULT 349
US-10-257-017B-376709
; Sequence 376709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 376709
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061943
US-10-257-017B-376709

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAAATATT 1363
Db 1 AAGAAAAAATATT 12

RESULT 350
US-10-257-017B-377842/c
; Sequence 377842, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 377842
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062519
US-10-257-017B-377842

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 12 ATAAAAATATTC 1

RESULT 351
US-10-257-017B-379142
; Sequence 379142, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379142
; LENGTH: 12
; TYPE: DNA
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368493
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057051
US-10-257-017B-368493

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
||| |||||
Db 12 AAGAAAAATTTT 1

RESULT 343
US-10-257-017B-370403
; Sequence 370403, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370403
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058162
US-10-257-017B-370403

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GGTAAATGTT 1411
||| |||||
Db 1 GATAAAATGTT 12

RESULT 344
US-10-257-017B-371943
; Sequence 371943, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371943
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059077
US-10-257-017B-371943

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
||| |||||
Db 1 AAGATAAATATT 12

RESULT 345
US-10-257-017B-371972/c
; Sequence 371972, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 371972
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059093
US-10-257-017B-371972

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1450 AGATGGGTGAT 1461
||| |||||
Db 12 AGTGGGTGAT 1

RESULT 346
US-10-257-017B-373070/c
; Sequence 373070, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373070
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0059827
US-10-257-017B-373070

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
||| |||||
Db 12 TAAATGTTAA 1

```
Db      12 GAGGTAATATTG 1
||||| |||
RESULT 338
US-10-257-017B-363916/c
; Sequence 363916, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363916
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054129
US-10-257-017B-363916
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1347 AGGGGAAGAAAA 1358
||||| |||
Db      12 AGGGGAGAAAA 1

RESULT 339
US-10-257-017B-364757
; Sequence 364757, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 364757
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054698
US-10-257-017B-364757
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAATGTTAAT 1414
||||| |||
Db      1 AAAATGGTTAAT 12

RESULT 340
US-10-257-017B-365010
; Sequence 365010, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365010
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054867
US-10-257-017B-365010
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1450 AGATGGTTGAT 1461
||||| |||
Db      1 AGATGGTTGTT 12

RESULT 341
US-10-257-017B-366931/c
; Sequence 366931, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366931
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056060
US-10-257-017B-366931
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1435 AGACATATACAT 1446
||||| |||
Db      12 ACACATATACAT 1

RESULT 342
US-10-257-017B-368493/c
; Sequence 368493, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368493
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054698
US-10-257-017B-368493
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361414
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010489
US-10-257-017B-361414

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1440 TATACATGGAG 1451
|||||
Db 1 TATACGTGGAG 12

RESULT 334

US-10-257-017B-361641
; Sequence 361641, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361641
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052741
US-10-257-017B-361641

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
|||||
Db 1 AAAATAGTTAAT 12

RESULT 335

US-10-257-017B-361893/c
; Sequence 361893, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361893
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052937
US-10-257-017B-361893

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGAT 1417
|||||
Db 12 ATTGTTATTGAT 1

RESULT 336

US-10-257-017B-362270/c
; Sequence 362270, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 362270
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053115
US-10-257-017B-362270

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
|||||
Db 12 TAAATATAGTTAA 1

RESULT 337

US-10-257-017B-363295/c
; Sequence 363295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 363295
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0053756
US-10-257-017B-363295

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1398 GAGGTAAATTTG 1409

```
Best Local Similarity 91.7%; Pred. No. 9.2e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 1;

QY 1407 TTGTTAATGATG 1418
Db 1 TTTTAAATGATG 12

RESULT 329
US-10-257-017B-358602/c
; Sequence 358602, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358602
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051203
US-10-257-017B-358602

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCTA 1366
Db 12 AAAAATATTCCTA 1

RESULT 330
US-10-257-017B-358612
; Sequence 358612, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358612
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-358612

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATCA 1419
Db 1 TGTAAATGATCA 12

RESULT 331
```

```
US-10-257-017B-358739/c
; Sequence 358739, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358739
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051274
US-10-257-017B-358739

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408
Db 12 GGAGGTAAATTT 1

RESULT 332
US-10-257-017B-360773/c
; Sequence 360773, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360773
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052285
US-10-257-017B-360773

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
Db 12 AAAATATTCAC 1

RESULT 333
US-10-257-017B-361414
; Sequence 361414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351735
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010841
US-10-257-017B-351735

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCTCA 1366
Db 12 AAAAATATTCCTCA 1

RESULT 325
US-10-257-017B-352584
; Sequence 352584, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352584
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007996
US-10-257-017B-352584

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTTGTTAAT 1414
Db 1 AAAATTTGTTAAT 12

RESULT 326
US-10-257-017B-352586
; Sequence 352586, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 352586
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007996
US-10-257-017B-352586

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTTGTTAAT 1414
Db 1 AAAATTTGTTGAT 12

RESULT 327
US-10-257-017B-354801/C
; Sequence 354801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 354801
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049303
US-10-257-017B-354801

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1399 AGGTAAATTTGTT 1410
Db 12 AGGTAAATTTGTT 1

RESULT 328
US-10-257-017B-355488
; Sequence 355488, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 355488
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049665
US-10-257-017B-355488

Query Match      8.0%; Score 10.4; DB 1; Length 12;
```


; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043725
US-10-257-017B-344833

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGTTA 1412
|||||
Db 12 GTAAATTTTGA 1

RESULT 320
US-10-257-017B-347791
; Sequence 347791, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 347791
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045257
US-10-257-017B-347791

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAATTT 1408
|||||
Db 1 GTAGGTAAATTT 12

RESULT 321
US-10-257-017B-348435
; Sequence 348435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 348435
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045594
US-10-257-017B-348435

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1358 AATATTCACGC 1369
|||||

Db 1 AATATTCACGC 12

RESULT 322
US-10-257-017B-349432
; Sequence 349432, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349432
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046139
US-10-257-017B-349432

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAAGCAATA 1471
|||||
Db 1 ATCAAGCAATA 12

RESULT 323
US-10-257-017B-351471/c
; Sequence 351471, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351471
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047337
US-10-257-017B-351471

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1434 CAGACATATACA 1445
|||||
Db 12 CAGACATATACA 1

RESULT 324
US-10-257-017B-351735/c
; Sequence 351735, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

```
; Sequence 343662, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343662
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043189
US-10-257-017B-343662

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
Db 12 AACAAATATTCAC 1

RESULT 316
US-10-257-017B-343856/c
; Sequence 343856, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343856
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005775
US-10-257-017B-343856

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATGTGTAAT 1414
Db 12 AAAATGTGTAAT 1

RESULT 317
US-10-257-017B-343889
; Sequence 343889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343889
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043288
US-10-257-017B-343889

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
Db 1 AAAATATTCAC 12

RESULT 318
US-10-257-017B-344120/c
; Sequence 344120, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344120
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043393
US-10-257-017B-344120

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 12 CAAACATATACA 1

RESULT 319
US-10-257-017B-344833/c
; Sequence 344833, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344833
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040769
US-10-257-017B-339874

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1399 AGGTAAATTTGT 1410
| | | | | | | | | |
Db 1 AGGTAAATTTGT 12

RESULT 311
US-10-257-017B-339866
; Sequence 339866, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339866
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041224
US-10-257-017B-339866

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTTGTTAAT 1414
| | | | | | | | | |
Db 1 AAAATTTTAAAT 12

RESULT 312
US-10-257-017B-339929
; Sequence 339929, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339929
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041267
US-10-257-017B-339929

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1399 AGGTAAATTTGT 1410
| | | | | | | | | |
Db 1 AGGTAAATTTGT 12

RESULT 313
US-10-257-017B-340058/c
; Sequence 340058, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340058
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041323
US-10-257-017B-340058

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1349 GCGAAGAAAAAT 1360
| | | | | | | | | |
Db 12 GCGTAGAAAAAT 1

RESULT 314
US-10-257-017B-343317
; Sequence 343317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343317
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042993
US-10-257-017B-343317

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
| | | | | | | | | |
Db 1 AAAAATATTCAA 12

RESULT 315
US-10-257-017B-343662/c

```
RESULT 306
US-10-257-017B-335461/c
; Sequence 335461, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 335461
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038841
US-10-257-017B-335461

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCCA 1

RESULT 307
US-10-257-017B-336216
; Sequence 336216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336216
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039252
US-10-257-017B-336216

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
Db 12 AAAAATATTCCA 1

RESULT 308
US-10-257-017B-336856/c
; Sequence 336856, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 336856
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0039556
US-10-257-017B-336856

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGTTAAT 1

RESULT 309
US-10-257-017B-338525
; Sequence 338525, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338525
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040532
US-10-257-017B-338525

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGGTT 1458
Db 1 GGAAGATGGGTT 12

RESULT 310
US-10-257-017B-338974
; Sequence 338974, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338974
```

;
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329173
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034804
US-10-257-017B-329173

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1452 ATGGGTGATCA 1463
DB 12 ATGGGTGATAA 1

RESULT 302
US-10-257-017B-329460/c
; Sequence 329460, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 329460
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034954
US-10-257-017B-329460

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
DB 12 ATTGTTAAGAT 1

RESULT 303
US-10-257-017B-331329
; Sequence 331329, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 331329
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036121
US-10-257-017B-331329

US-10-257-017B-331329

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
DB 1 AAAATTGTGAAT 12

RESULT 304
US-10-257-017B-332453
; Sequence 332453, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332453
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036930
US-10-257-017B-332453

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
DB 1 ACAAATATTC 12

RESULT 305
US-10-257-017B-333917/c
; Sequence 333917, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333917
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037828
US-10-257-017B-333917

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
DB 12 TATAATTTGTTAA 1

```
QY 1404 AATTGTTAATG 1415
Db 1 AATTGTTAAGG 12

RESULT 297
US-10-257-017B-327259
; Sequence 327259, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 327259
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033525
US-10-257-017B-327259

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTCT 1410
Db 1 AGGTAAATTTT 12

RESULT 298
US-10-257-017B-328388
; Sequence 328388, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328388
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034264
US-10-257-017B-328388

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
Db 1 ATTGTTAATGAT 12

RESULT 299
US-10-257-017B-328759/c
; Sequence 328759, Application US/10257017B
```

```
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328759
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034536
US-10-257-017B-328759

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAATATTT 1363
Db 12 AATAAAATATTT 1

RESULT 300
US-10-257-017B-328791
; Sequence 328791, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 328791
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0034566
US-10-257-017B-328791

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
Db 1 AAAATATTCAC 12

RESULT 301
US-10-257-017B-329173/c
; Sequence 329173, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 321550
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030321
US-10-257-017B-321550

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
   |||||
Db 1 GAAGAAAAATTT 12

RESULT 293
US-10-257-017B-323737/c
; Sequence 323737, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 323737
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031578
US-10-257-017B-323737

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTTGA 1460
   |||||
Db 12 AAGTGGGTTGA 1

RESULT 294
US-10-257-017B-324120/c
; Sequence 324120, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324120
; LENGTH: 12
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0031811
US-10-257-017B-324120

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAAAT 1407
   |||||
Db 12 AGGGGGTAAAAAT 1

RESULT 295
US-10-257-017B-326640/c
; Sequence 326640, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 326640
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033187
US-10-257-017B-326640

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTAA 1413
   |||||
Db 12 TAAATTTATA 1

RESULT 296
US-10-257-017B-327216
; Sequence 327216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 327216
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0033502
US-10-257-017B-327216

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
DB 12 GCGAGAAAAATA 1

RESULT 288
US-10-257-017B-318205/c
; Sequence 318205, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318205
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028516
US-10-257-017B-318205

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
DB 12 AAGAAGAAATATT 1

RESULT 289
US-10-257-017B-318749
; Sequence 318749, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318749
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028844
US-10-257-017B-318749

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGA 1416
DB 1 AATTGTTAATGA 12
```

```
RESULT 290
US-10-257-017B-319342/c
; Sequence 319342, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319342
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029171
US-10-257-017B-319342

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAATA 1361
DB 12 GGAAGATAAATA 1

RESULT 291
US-10-257-017B-320378
; Sequence 320378, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320378
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029677
US-10-257-017B-320378

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
DB 1 GGGGAAAAAATA 12

RESULT 292
US-10-257-017B-321550
; Sequence 321550, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```



```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313947
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026044
US-10-257-017B-313947

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AACAAAAATATT 1

RESULT 284
US-10-257-017B-314004
; Sequence 314004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314004
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026064
US-10-257-017B-314004

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATATTGTTA 1412
Db 1 GTAAATATTGTTA 12

RESULT 285
US-10-257-017B-315661/c
; Sequence 315661, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315661
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027026
US-10-257-017B-315661

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
Db 12 AGGTAAATTTT 1

RESULT 286
US-10-257-017B-317026
; Sequence 317026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317026
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027768
US-10-257-017B-317026

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAGAAAAATATT 12

RESULT 287
US-10-257-017B-317789/c
; Sequence 317789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 317789
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028274
US-10-257-017B-317789
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023938
US-10-257-017B-310357

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
Db 12 AAATTGTTAGTG 1

RESULT 279
US-10-257-017B-312521/c
; Sequence 312521, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312521
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025110
US-10-257-017B-312521

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATCCCA 1366
Db 12 AAAAATATCCCA 1

RESULT 280
US-10-257-017B-313597
; Sequence 313597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313597
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025857
US-10-257-017B-313597

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1356 AAAATATTCAC 1367
Db 1 AAAATATTCAC 12

RESULT 281
US-10-257-017B-313626
; Sequence 313626, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313626
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025873
US-10-257-017B-313626

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
Db 1 AAATTGTTAATG 12

RESULT 282
US-10-257-017B-313944/c
; Sequence 313944, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 313944
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026042
US-10-257-017B-313944

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAATA 1361
Db 12 GGTAGAAAAATA 1

RESULT 283
US-10-257-017B-313947/c
; Sequence 313947, Application US/10257017B
; GENERAL INFORMATION:

```
RESULT 274
US-10-257-017B-307971
; Sequence 307971, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 307971
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022819
US-10-257-017B-307971

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAA 1359
      |||||
Db 1 GGGGAAGATAA 12

RESULT 275
US-10-257-017B-308016/c
; Sequence 308016, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308016
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022838
US-10-257-017B-308016

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGGTGCAT 1461
      |||||
Db 12 AGATGGGTGCAT 1

RESULT 276
US-10-257-017B-309005/c
; Sequence 309005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309005
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023317
US-10-257-017B-309005

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATCCA 1366
      |||||
Db 12 AAAAATATACCA 1

RESULT 277
US-10-257-017B-310184
; Sequence 310184, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 310184
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023858
US-10-257-017B-310184

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
      |||||
Db 1 TTTTAATGATGA 12

RESULT 278
US-10-257-017B-310357/c
; Sequence 310357, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 310357
; LENGTH: 12
; TYPE: DNA
```

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306244
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonuc
US-10-257-017B-306244

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```

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

RESULT 270
US-10-257-017B-306649/c
; Sequence 306649, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306649
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022106
US-10-257-017B-306649

```

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

RESULT 271
US-10-257-017B-306886/c
; Sequence 306886, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306886
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022228
US-10-257-017B-306886

```

```
Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11: Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```

RESULT 272
US-10-257-017B-306904
; Sequence 306904, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosi
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 306904
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022234
US-10-257-017B-306904

```

Query Match	8.0%	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%	Pred. No. 9.2e+02;		
Matches 11: Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

```

RESULT 273
US-10-257-017B-307736/c
; Sequence 307736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 307736
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022658
US-10-257-017B-307736

```

Query Match	8.0%	Score 10.4;	DB 1;	Length 12;
Best Local Similarity	91.7%	Pred. No. 9.2e+02;		
Matches 11: Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;


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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 296443
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017084
US-10-257-017B-296443

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATTCGTT 1411
Db 1 GGTAAATTCGTT 12

RESULT 261
US-10-257-017B-296515
; Sequence 296515, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 296515
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017118
US-10-257-017B-296515

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTCGTTA 1412
Db 1 GTAAATTCGTTA 12

RESULT 262
US-10-257-017B-298340
; Sequence 298340, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298340
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018036
US-10-257-017B-298340

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
Db 1 AGAAAAATATTC 12

RESULT 263
US-10-257-017B-298531/c
; Sequence 298531, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298531
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018143
US-10-257-017B-298531

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTT 1363
Db 12 AAGAAAAATAGT 1

RESULT 264
US-10-257-017B-298907/c
; Sequence 298907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 298907
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018340
US-10-257-017B-298907

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
```

Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
Db 12 TTGTTAATG 1

RESULT 256

US-10-257-017B-290754
; Sequence 290754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 290754
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014500
US-10-257-017B-290754

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCTCA 1366
|||||
Db 1 AAAAATATTCCTCA 12

RESULT 257

US-10-257-017B-292736
; Sequence 292736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 292736
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015327
US-10-257-017B-292736

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTAAA 1405
|||||
Db 1 AAAGGAGGTAAA 12

RESULT 258

US-10-257-017B-293279
; Sequence 293279, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 293279
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015564
US-10-257-017B-293279

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1376 AGCGATCGTCTT 1387
|||||
Db 1 AGCGATCGTCTT 12

RESULT 259

US-10-257-017B-293307/c
; Sequence 293307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 293307
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015566
US-10-257-017B-293307

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1375 GAGCGATCGTCT 1386
|||||
Db 12 GAGCGATCGTCT 1

RESULT 260

US-10-257-017B-296443
; Sequence 296443, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285127
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012162
US-10-257-017B-285127

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Mismatches 0; Indels 0; Gaps 0;

Qy 1408 TGTTAATGATCA 1419
Db 12 TGTTAATGTTGA 1

RESULT 252
US-10-257-017B-286087
; Sequence 286087, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 286087
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012571
US-10-257-017B-286087

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Mismatches 0; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGGTT 1458
Db 1 GAAAGATGGGTT 12

RESULT 253
US-10-257-017B-286325
; Sequence 286325, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; SEQ ID NO 286325
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012671
US-10-257-017B-286325

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
Db 1 ATGAAAAATATT 12

RESULT 254
US-10-257-017B-288604/C
; Sequence 288604, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 288604
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013593
US-10-257-017B-288604

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Mismatches 0; Indels 0; Gaps 0;

Qy 1351 GAAGAAAAATAT 1362
Db 12 GAAAAAAATAT 1

RESULT 255
US-10-257-017B-289070/C
; Sequence 289070, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 289070
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013790
US-10-257-017B-289070

Query Match      8.0%; Score 10.4; DB 1; Length 12;
```


; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0009854
US-10-257-017B-281507

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
||||| |||||
Db 1 ATTGTTAGTGAT 12

RESULT 247
US-10-257-017B-282776
; Sequence 282776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282776
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010988
US-10-257-017B-282776

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
||||| |||||
Db 1 TAAATTTATTAA 12

RESULT 248
US-10-257-017B-283401
; Sequence 283401, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283401
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011291
US-10-257-017B-283401

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATG 1415
||||| |||||

Db 1 AAATTGATAATG 12

RESULT 249
US-10-257-017B-284231
; Sequence 284231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284231
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011734
US-10-257-017B-284231

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAATAA 1406
||||| |||||
Db 1 AAGGTTGTAATAA 12

RESULT 250
US-10-257-017B-284590/c
; Sequence 284590, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284590
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011889
US-10-257-017B-284590

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
||||| |||||
Db 12 AAAATTTTAAAT 1

RESULT 251
US-10-257-017B-285127/c
; Sequence 285127, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; Sequence 275611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 275611
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003943
US-10-257-017B-275611

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 12 AAAAAAATATT 1

RESULT 243
US-10-257-017B-276034
; Sequence 276034, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276034
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004071
US-10-257-017B-276034

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
Db 1 TAAATTTGTTAA 12

RESULT 244
US-10-257-017B-278001
; Sequence 278001, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278001
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005468
US-10-257-017B-278001

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AATAAAAAATATT 12

RESULT 245
US-10-257-017B-280021/c
; Sequence 280021, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280021
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008049
US-10-257-017B-280021

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1460 ATCAAGCAATA 1471
Db 12 ATCAATCAATA 1

RESULT 246
US-10-257-017B-281507
; Sequence 281507, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 281507
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003013
US-10-257-017B-273012

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
| | | | | | | | | |
DB 1 ATAAAAATATTC 12

RESULT 238
US-10-257-017B-273275/c
; Sequence 273275, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273275
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003123
US-10-257-017B-273275

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAAAATTTTAA 1413
| | | | | | | | | |
DB 12 TAAAAATTTTAA 1

RESULT 239
US-10-257-017B-273627/c
; Sequence 273627, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273627
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003251
US-10-257-017B-273627

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1401 GTAAAAATTGTTA 1412
| | | | | | | | | |
DB 12 GTAAAAATTGGTA 1

RESULT 240
US-10-257-017B-273667
; Sequence 273667, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273667
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003265
US-10-257-017B-273667

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
| | | | | | | | | |
DB 1 ACAAATATTCAC 12

RESULT 241
US-10-257-017B-274418/c
; Sequence 274418, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 274418
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003540
US-10-257-017B-274418

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAAATATTCAC 1367
| | | | | | | | | |
DB 12 AAAAATATTCAC 1

RESULT 242
US-10-257-017B-275611/c

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 269495
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001782
US-10-257-017B-269495

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AAAAAAATATT 12

RESULT 236
US-10-257-017B-272719
; Sequence 272719, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272719
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002915
US-10-257-017B-272719

Query Match      8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 9.2e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445
Db 1 CATACATATACA 12

RESULT 237
US-10-257-017B-273012
; Sequence 273012, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 273012

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46142
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46142

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
Db 1 RAAAAATATTC 11

RESULT 229
US-10-257-017B-79623/c
; Sequence 79623, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79623
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020222
US-10-257-017B-79623

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTC 1366
Db 13 RAAATATTC 3

RESULT 232
US-10-257-017B-79624
; Sequence 79624, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 79624
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020222
US-10-257-017B-79624

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTC 1366
Db 1 RAAATATTC 11

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46142
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46142

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
Db 1 RAAAAATATTC 11

RESULT 229
US-10-257-017B-66307/c
; Sequence 66307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66307
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017421
US-10-257-017B-66307

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364
Db 13 RAAAAATATTC 3

RESULT 230
US-10-257-017B-66308
; Sequence 66308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017421
```

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Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1451 GATGGGTGAT 1461
Db 12 GATGGGTGAT 2

RESULT 224
US-60-545-213-302875
; Sequence 302875, Application US/60545213
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William Martin
; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
; FILE REFERENCE: Target Genes
; CURRENT APPLICATION NUMBER: AM101083 (031896-042099)
; CURRENT FILING DATE: 2004-02-18
; NUMBER OF SEQ ID NOS: 30284
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 30285
; LENGTH: 25
; TYPE: DNA
; ORGANISM: probe
US-60-545-213-302875

Query Match      8.3%; Score 10.8; DB 1; Length 25;
Best Local Similarity 68.2%; Pred. No. 3.5e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1414 TGATGACCAGTCGTTCTATGCA 1435
Db 2 TGATAACCCCATTTTCTATGTA 23

RESULT 225
US-10-257-017B-46137/c
; Sequence 46137, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46137
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46137

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATTC 1364
Db 13 RAAAAATATTC 3

RESULT 226
US-10-257-017B-46138
; Sequence 46138, Application US/10257017B

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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46138
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46138

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATTC 1364
Db 1 RAAAAATATTC 11

RESULT 227
US-10-257-017B-46141/c
; Sequence 46141, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46141
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013366
US-10-257-017B-46141

Query Match      8.2%; Score 10.6; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 7.5e+02;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATTC 1364
Db 13 RAAAAATATTC 3

RESULT 228
US-10-257-017B-46142
; Sequence 46142, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236360
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057697
US-10-257-017B-236360

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCGA 1366
DB 1 RAAAAATATTCGA 13

RESULT 220
US-10-257-017B-248477
; Sequence 248477, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 248477
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060726
US-10-257-017B-248477

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAAT 1360
DB 1 GAGGAGAGAAAAY 13

RESULT 221
US-10-257-017B-248478/c
; Sequence 248478, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 248478
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0060726
US-10-257-017B-248478

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAAT 1360
DB 13 GAGGAGAGAAAAY 1

RESULT 222
US-10-257-017B-259837
; Sequence 259837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259837
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063098
US-10-257-017B-259837

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1451 GATGGGTTGAT 1461
DB 2 GATGGGTTGAT 12

RESULT 223
US-10-257-017B-259838/c
; Sequence 259838, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259838
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063098
US-10-257-017B-259838
```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054021
US-10-257-017B-221991

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGTT 1458
|||||||
Db 1 TGAAGAAGGGTY 13

RESULT 215
US-10-257-017B-221992/c
; Sequence 221992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221992
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054021
US-10-257-017B-221992

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGTT 1458
|||||||
Db 13 TGAAGAAGGGTY 1

RESULT 216
US-10-257-017B-234265
; Sequence 234265, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234265
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004687
US-10-257-017B-234265

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
|||||||
Db 3 AGGAGGTAAAA 13

RESULT 217
US-10-257-017B-234266/c
; Sequence 234266, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234266
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004687
US-10-257-017B-234266

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1396 AGGAGGTAAAA 1406
|||||||
Db 11 AGGAGGTAAAA 1

RESULT 218
US-10-257-017B-236359/c
; Sequence 236359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057697
US-10-257-017B-236359

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTTCCA 1366
:|||||||
Db 13 RAAAAATACTCCA 1

RESULT 219
US-10-257-017B-236360
; Sequence 236360, Application US/10257017B
; GENERAL INFORMATION:


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RESULT 210
US-10-257-017B-219253/c
; Sequence 219253, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219253
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053312
US-10-257-017B-219253

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1433 GCAGACATATACA 1445
Db 13 RCAAACATATACA 1

RESULT 211
US-10-257-017B-219254
; Sequence 219254, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 219254
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053312
US-10-257-017B-219254

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1433 GCAGACATATACA 1445
Db 1 RCAAACATATACA 13

RESULT 212
US-10-257-017B-220305
; Sequence 220305, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220305
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008997
US-10-257-017B-220305

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGT 1458
Db 1 TGAAGATGGTY 13

RESULT 213
US-10-257-017B-220306/c
; Sequence 220306, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220306
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008997
US-10-257-017B-220306

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1446 TGAAGATGGGT 1458
Db 13 TGAAGATGGTY 1

RESULT 214
US-10-257-017B-221991
; Sequence 221991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221991
; LENGTH: 13
; TYPE: DNA
```

```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052604
US-10-257-017B-216280

Query Match
; Sequence 217297, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217297
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052826
US-10-257-017B-217297

Query Match
; Sequence 217298, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217298
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052826
US-10-257-017B-217298

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052604
US-10-257-017B-216280

Query Match
; Sequence 217297, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217297
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052826
US-10-257-017B-217297

Query Match
; Sequence 217298, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217298
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052826
US-10-257-017B-217298
```

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Query Match
; Sequence 217505, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217505
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052893
US-10-257-017B-217505

Query Match
; Sequence 217506, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217506
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052893
US-10-257-017B-217506

Query Match
; Sequence 217507, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217507
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052893
US-10-257-017B-217507

Query Match
; Sequence 217508, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217508
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052893
US-10-257-017B-217508
```



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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049504
US-10-257-017B-201211

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1356 AAAATATTCCA 1366
Db 11 AAAATATTCCA 1

RESULT 197
US-10-257-017B-201212
; Sequence 201212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049504
US-10-257-017B-201212

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1356 AAAATATTCCA 1366
Db 3 AAAATATTCCA 13

RESULT 198
US-10-257-017B-208743/c
; Sequence 208743, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208743
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050985
US-10-257-017B-208743

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCAC 1367
Db 13 AAATATTCAC 3

RESULT 199
US-10-257-017B-208744
; Sequence 208744, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208744
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050985
US-10-257-017B-208744

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCAC 1367
Db 1 AAATATTCAC 11

RESULT 200
US-10-257-017B-212187
; Sequence 212187, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 212187
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009958
US-10-257-017B-212187

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1408 TGTATATGATGAC 1420
```

Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1450 AGATGGTTCATC 1462
|||||
Db 13 AGATGGTTCATY 1

RESULT 192

US-10-257-017B-178651/c
; Sequence 178651, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178651
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044255
US-10-257-017B-178651

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCAC 1367
|||||
Db 13 AAATATTCAC 3

RESULT 193

US-10-257-017B-178652
; Sequence 178652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 178652
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044255
US-10-257-017B-178652

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCAC 1367
|||||
Db 1 AAATATTCAC 11

RESULT 194

US-10-257-017B-184485
; Sequence 184485, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184485
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045528
US-10-257-017B-184485

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362
|||||
Db 3 AAGAAAAATAT 13

RESULT 195

US-10-257-017B-184486/c
; Sequence 184486, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 184486
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045528
US-10-257-017B-184486

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362
|||||
Db 11 AAGAAAAATAT 1

RESULT 196

US-10-257-017B-201211/c
; Sequence 201211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171856
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171856

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTCTTA 1412
Db 12 TAAATTCTTA 2

RESULT 188
US-10-257-017B-174149/c
; Sequence 174149, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174149
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043329
US-10-257-017B-174149

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1354 GAAAAATATCCA 1366
Db 13 RAAAAATAATCCA 1

RESULT 189
US-10-257-017B-174150
; Sequence 174150, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 174150
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043329
US-10-257-017B-174150

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1354 GAAAAATATCCA 1366
Db 1 RAAAAATAATCCA 13

RESULT 190
US-10-257-017B-174981
; Sequence 174981, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174981
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043499
US-10-257-017B-174981

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1450 AGATGGGTGATC 1462
Db 1 AGATGGGTTTATY 13

RESULT 191
US-10-257-017B-174982/c
; Sequence 174982, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 174982
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043499
US-10-257-017B-174982

Query Match      8.5%; Score 11; DB 1; Length 13;
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040212
US-10-257-017B-159743

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTT 1408
|||||
Db 2 GAGGTAAATTT 12

RESULT 183

US-10-257-017B-159744/c
; Sequence 159744, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 159744

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040212
US-10-257-017B-159744

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTT 1408
|||||
Db 12 GAGGTAAATTT 2

RESULT 184

US-10-257-017B-171677/c

; Sequence 171677, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 171677

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042792
US-10-257-017B-171677

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1363 TCCACGCATCA 1373
|||||

Db 12 TCCACGCATCA 2

RESULT 185

US-10-257-017B-171678

; Sequence 171678, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 171678

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042792
US-10-257-017B-171678

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1363 TCCACGCATCA 1373
|||||
Db 2 TCCACGCATCA 12

RESULT 186

US-10-257-017B-171855

; Sequence 171855, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 171855

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171855

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTA 1412
|||||
Db 2 TAAATTTGTTA 12

RESULT 187

US-10-257-017B-171856/c

; Sequence 171856, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

```
; Sequence 159615, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159615
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159615

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAAATTCCA 1

RESULT 179
US-10-257-017B-159616
; Sequence 159616, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159616
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159616

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAAATTCCA 13

RESULT 180
US-10-257-017B-159617/c
; Sequence 159617, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159617
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159617

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAAATTCCA 1

RESULT 181
US-10-257-017B-159618
; Sequence 159618, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159618
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040184
US-10-257-017B-159618

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAAATTCCA 13

RESULT 182
US-10-257-017B-159743
; Sequence 159743, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 159743
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```



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/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150146

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.8%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 13 AAAAAAATATTY 1

RESULT 174
US-10-257-017B-151881
/ Sequence 151881, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 151881
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038376
US-10-257-017B-151881

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
Db 2 AAATTGTTAAT 12

RESULT 175
US-10-257-017B-151882/c
/ Sequence 151882, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 151882
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038376
US-10-257-017B-151882

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
Db 12 AAATTGTTAAT 2

RESULT 176
US-10-257-017B-156087
/ Sequence 156087, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 156087
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039379
US-10-257-017B-156087

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417
Db 2 TTGTTAATGAT 12

RESULT 177
US-10-257-017B-156088/c
/ Sequence 156088, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 156088
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039379
US-10-257-017B-156088

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417
Db 12 TTGTTAATGAT 2

RESULT 178
US-10-257-017B-159615/c
```

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RESULT 169
US-10-257-017B-144840
; Sequence 144840, Application US/10257017B
; GENERAL INFORMATION:
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144840
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036426
US-10-257-017B-144840

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATTC 1366
Db 1 RAAAAATATTC 13

RESULT 170
US-10-257-017B-145423/c
; Sequence 145423, Application US/10257017B
; GENERAL INFORMATION:
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145423
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036609
US-10-257-017B-145423

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1356 AAAATATTC 1366
Db 12 AAAATATTC 2

RESULT 171
US-10-257-017B-145424
; Sequence 145424, Application US/10257017B
; GENERAL INFORMATION:
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145424
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036609
US-10-257-017B-145424

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 AAAAAATATTC 1364
Db 1 AAAAAATATTC 13

RESULT 173
US-10-257-017B-150145/c
; Sequence 150145, Application US/10257017B
; GENERAL INFORMATION:
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150145
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150145

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 94.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAAAAATATTC 1364
Db 1 AAAAAATATTC 13

RESULT 173
US-10-257-017B-150146/c
; Sequence 150146, Application US/10257017B
; GENERAL INFORMATION:
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150146
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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139295
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034884
US-10-257-017B-139295

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 13 AAAATATTCCA 3

RESULT 165
US-10-257-017B-139296
; Sequence 139296, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139296
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034884
US-10-257-017B-139296

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 1 AAAATATTCCA 11

RESULT 166
US-10-257-017B-143211/c
; Sequence 143211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935
US-10-257-017B-143211

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATTCACGCA 1370
Db 13 RATATTCGCCGCA 1

RESULT 167
US-10-257-017B-143212
; Sequence 143212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935
US-10-257-017B-143212

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATTCACGCA 1370
Db 1 RATATTCGCCGCA 13

RESULT 168
US-10-257-017B-144839/c
; Sequence 144839, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144839
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036426
US-10-257-017B-144839

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTCCA 1366
Db 13 RAAAAATATTCCA 1
```

```
Qy 1402 TAAATTGTTTAAAT 1414
Db 13 TAAATTGTTTAY 1

RESULT 160
US-10-257-017B-137533
; Sequence 137533, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137533
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034382
US-10-257-017B-137533

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 161
US-10-257-017B-137534/c
; Sequence 137534, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137534
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034382
US-10-257-017B-137534

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATT 1363
Db 13 AGAAAAATATT 3

RESULT 162
US-10-257-017B-138227
; Sequence 138227, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138227
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034595
US-10-257-017B-138227

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATT 1363
Db 1 AGAAAAATATT 11

RESULT 163
US-10-257-017B-138228/c
; Sequence 138228, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138228
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034595
US-10-257-017B-138228

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATT 1363
Db 13 AGAAAAATATT 3

RESULT 164
US-10-257-017B-139295/c
; Sequence 139295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 139295
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034595
US-10-257-017B-139295
```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033419
US-10-257-017B-134020

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1356 AAAATATTCCA 1366
Db      3 AAAATATTCCA 13

RESULT 158
US-10-257-017B-134327
; Sequence 134327, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134327
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033481
US-10-257-017B-134327

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1402 TAAATTTGTTAAT 1414
Db      1 TAAATTTGTTTAY 13

RESULT 159
US-10-257-017B-134328/c
; Sequence 134328, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosin
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134328
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033481
US-10-257-017B-134328

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1402 TAAATTTGTTAAT 1414
Db      1 TAAATTTGTTTAY 13

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 121398
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030317
US-10-257-017B-121398

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1398 GAGGTAAATTT 1408
Db      12 GAGGTAAATTT 2

RESULT 156
US-10-257-017B-134019/c
; Sequence 134019, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134019
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033419
US-10-257-017B-134019

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1356 AAAATATTCCA 1366
Db      11 AAAATATTCCA 1

RESULT 157
US-10-257-017B-134020
; Sequence 134020, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 134020
; LENGTH: 13

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```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363
Db 13 RAAAAAAATATT 1

RESULT 151
US-10-257-017B-96950
; Sequence 96950, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96950
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024053
US-10-257-017B-96950

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363
Db 1 RAAAAAAATATT 13

RESULT 152
US-10-257-017B-119735
; Sequence 119735, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119735
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029876
US-10-257-017B-119735

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363
Db 1 GAAGAAAAATTTT 13
```

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RESULT 153
US-10-257-017B-119736/c
; Sequence 119736, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119736
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029876
US-10-257-017B-119736

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 0; Gaps 0;

QY 1351 GAAGAAAAATATT 1363
Db 13 GAAGAAAAATTTT 1

RESULT 154
US-10-257-017B-121397
; Sequence 121397, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 121397
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030317
US-10-257-017B-121397

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Gaps 0;

QY 1398 GAGTAAATTT 1408
Db 2 GAGTAAATTT 12

RESULT 155
US-10-257-017B-121398/c
; Sequence 121398, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85203

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGA 1416
DB 3 ATTGTTAATGA 13

RESULT 147
US-10-257-017B-85204/c
; Sequence 85204, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021429
US-10-257-017B-85204

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGA 1416
DB 11 ATTGTTAATGA 1

RESULT 148
US-10-257-017B-88595
; Sequence 88595, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022266
US-10-257-017B-88595
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88595
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022266
US-10-257-017B-88595

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
DB 2 AAATTGTTAAT 12

RESULT 149
US-10-257-017B-88596/c
; Sequence 88596, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 88596
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022266
US-10-257-017B-88596

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAATTGTTAAT 1414
DB 12 AAATTGTTAAT 2

RESULT 150
US-10-257-017B-96949/c
; Sequence 96949, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 96949
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024053
US-10-257-017B-96949
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014737
US-10-257-017B-53384

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
Db 3 CCACGCATCAC 13

RESULT 142
US-10-257-017B-64315
; Sequence 64315, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64315
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016972
US-10-257-017B-64315

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATATT 1363
Db 2 AGAAAAATATT 12

RESULT 143
US-10-257-017B-64316/c
; Sequence 64316, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64316
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016972
US-10-257-017B-64316

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1353 AGAAAAATATT 1363
Db 12 AGAAAAATATT 2

RESULT 144
US-10-257-017B-82279
; Sequence 82279, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82279
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020783
US-10-257-017B-82279

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
Db 1 GTTAATGATGA 11

RESULT 145
US-10-257-017B-82280/c
; Sequence 82280, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020783
US-10-257-017B-82280

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
Db 13 GTTAATGATGA 3

RESULT 146
US-10-257-017B-85203
; Sequence 85203, Application US/10257017B
; GENERAL INFORMATION:
```



```
RESULT 137
US-10-257-017B-30756
; Sequence 30756, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30756
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009454
US-10-257-017B-30756

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCCA 1366
Db 1 AAAATATTCCA 11

RESULT 138
US-10-257-017B-39539
; Sequence 39539, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39539
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012088
US-10-257-017B-39539

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTT 1411
Db 1 GTAAATTTGTT 11

RESULT 139
US-10-257-017B-39540/c
; Sequence 39540, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 39540
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012088
US-10-257-017B-39540

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTT 1411
Db 13 GTAAATTTGTT 3

RESULT 140
US-10-257-017B-53383/c
; Sequence 53383, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53383
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014737
US-10-257-017B-53383

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCACGCATCAC 1374
Db 11 CCACGCATCAC 1

RESULT 141
US-10-257-017B-53384
; Sequence 53384, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53384
; LENGTH: 13
; TYPE: DNA
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26413
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006957
US-10-257-017B-26413

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATTC 1364
DB 13 RAAAAAATATTC 1

RESULT 133
US-10-257-017B-26414
; Sequence 26414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26414
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0006957
US-10-257-017B-26414

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATTC 1364
DB 1 RAAAAAATATTC 13

RESULT 134
US-10-257-017B-27545/c
; Sequence 27545, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27545
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007666
US-10-257-017B-27545
```

```
Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
DB 12 AAAAATATTC 2

RESULT 135
US-10-257-017B-27546
; Sequence 27546, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 27546
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007666
US-10-257-017B-27546

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
DB 2 AAAAATATTC 12

RESULT 136
US-10-257-017B-30755/c
; Sequence 30755, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 30755
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009454
US-10-257-017B-30755

Query Match      8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAAATATTC 1366
DB 13 AAAAATATTC 3
```

```
Db 11 TAAAAATGTTA 1
|||||
RESULT 128
US-10-257-017B-13339/c
; Sequence 13339, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13339
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003085
US-10-257-017B-13339
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGTTAA 1413
|||||
Db 13 RTAAATTTTAA 1

RESULT 129
US-10-257-017B-13340
; Sequence 13340, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 13340
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003085
US-10-257-017B-13340
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGTTAA 1413
|||||
Db 1 RTAAATTTTAA 13

RESULT 130
US-10-257-017B-16455/c
; Sequence 16455, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16455
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003586
US-10-257-017B-16455
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAAATATTC 1365
|||||
Db 2 AAAAAATATTC 12

RESULT 131
US-10-257-017B-16456
; Sequence 16456, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16456
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003586
US-10-257-017B-16456
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAAATATTC 1365
|||||
Db 2 AAAAAATATTC 12

RESULT 132
US-10-257-017B-26413/c
; Sequence 26413, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26413
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003085
US-10-257-017B-13340
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 84.6%; Pred. No. 5.9e+02;
Matches 11; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGTTAA 1413
|||||
Db 1 RTAAATTTTAA 13

RESULT 133
US-10-257-017B-16455/c
; Sequence 16455, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16455
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003586
US-10-257-017B-16455
Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAAATATTC 1365
|||||
Db 2 AAAAAATATTC 12
```

; PRIOR FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US 10/376,770
; PRIOR FILING DATE: 2003-02-28
; NUMBER OF SEQ ID NOS: 628
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 549
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-661-165-549

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1410 TTAATGATGAC 1420
Db 12 TTAATGATGAC 2

RESULT 124

US-10-257-017B-77
; Sequence 77, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 77
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000021
US-10-257-017B-77

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1403 AAAATTGTAA 1413
Db 1 AAAATTGTAA 11

RESULT 125

US-10-257-017B-78/c
; Sequence 78, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 78
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000021
US-10-257-017B-78

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1403 AAAATTGTAA 1413
Db 13 AAAATTGTAA 3

RESULT 126

US-10-257-017B-11445
; Sequence 11445, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11445
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002795
US-10-257-017B-11445

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTGTAA 1412
Db 3 TAAATTGTAA 13

RESULT 127

US-10-257-017B-11446/c
; Sequence 11446, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 11446
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00002795
US-10-257-017B-11446

Query Match 8.5%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTGTAA 1412

US-10-257-017B-364483/c
; Sequence 364483, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 364483
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0054493
US-10-257-017B-364483

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGT 1410
|||||
Db 11 GGTAAATTTGT 1

RESULT 120
US-10-257-017B-378196/c
; Sequence 378196, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378196
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062669
US-10-257-017B-378196

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGT 1410
|||||
Db 11 GGTAAATTTGT 1

RESULT 121
US-10-257-017B-378197/c
; Sequence 378197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378197
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062669
US-10-257-017B-378197

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGT 1410
|||||
Db 11 GGTAAATTTGT 1

RESULT 122
US-10-257-017B-381382/c
; Sequence 381382, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 381382
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0064322
US-10-257-017B-381382

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAATAT 1362
|||||
Db 12 AAGAAAATAT 2

RESULT 123
US-10-165-549/c
; Sequence 549, Application US/10661165
; GENERAL INFORMATION:
; APPLICANT: Dhallan, Ravinder S.
; TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: 543312000420
; CURRENT APPLICATION NUMBER: US/10/661,165
; CURRENT FILING DATE: 2003-09-11
; PRIOR APPLICATION NUMBER: PCT/US03/06198
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/378,354
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: US 10/093,618
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 60/360,232
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: PCT/US03/27308

; SEQ ID NO 345115
; LENGTH: 12

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043880
US-10-257-017B-345115

Query Match 8.5%; Score 11; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 6.4e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362

Db 1 AAGAAAAATAT 11

RESULT 115

US-10-257-017B-347793

; Sequence 347793, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 347793

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045258

US-10-257-017B-347793

Query Match

Best Local Similarity 100.0%; Pred. No. 6.4e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTA 1412

Db 1 TAAATTTGTTA 11

RESULT 116

US-10-257-017B-353427/c

; Sequence 353427, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 353427

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048513

US-10-257-017B-353427

Query Match

8.5%; Score 11; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 6.4e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365

Db 11 AAAAATATTC 1

RESULT 117

US-10-257-017B-357907/c

; Sequence 357907, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 357907

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004855

US-10-257-017B-357907

Query Match

Best Local Similarity 100.0%; Pred. No. 6.4e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGAT 1417

Db 12 TTGTTAATGAT 2

RESULT 118

US-10-257-017B-360594

; Sequence 360594, Application US/10257017B

; GENERAL INFORMATION:

; APPLICANT: Alexander Olek

; APPLICANT: Christian Piepenbrock

; APPLICANT: Kurt Berlin

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 360594

; LENGTH: 12

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052150

US-10-257-017B-360594

Query Match

Best Local Similarity 100.0%; Pred. No. 6.4e+02;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1364

Db 1 GAAAAATATTC 11

RESULT 119

```
Db      12 AAGAAATAT 2

RESULT 110
US-10-257-017B-315231/c
; Sequence 315231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315231
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026789
US-10-257-017B-315231

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1355 AAAAAATATCC 1365
Db      11 AAAAAATATCC 1

RESULT 111
US-10-257-017B-334734/c
; Sequence 334734, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 334734
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038375
US-10-257-017B-334734

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1350 GGAAGAAAAAT 1360
Db      12 GGAAGAAAAAT 2

RESULT 112
US-10-257-017B-335063
; Sequence 335063, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 335063
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0038581
US-10-257-017B-335063

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1404 AAATTGTTAAT 1414
Db      1 AAATTGTTAAT 11

RESULT 113
US-10-257-017B-338889/c
; Sequence 338889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338889
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040730
US-10-257-017B-338889

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1409 GTTAATGATGA 1419
Db      12 GTTAATGATGA 2

RESULT 114
US-10-257-017B-345115
; Sequence 345115, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282132
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010466
US-10-257-017B-282132

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTT 1411
Db 1 GTAAATTTGTT 11

RESULT 106
US-10-257-017B-282391/c
; Sequence 282391, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282391
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010713
US-10-257-017B-282391

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATGA 1419
Db 12 GTTAATGATGA 2

RESULT 107
US-10-257-017B-283665
; Sequence 283665, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283665
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

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; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011450
US-10-257-017B-283665

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1446 TGAAGATGGG 1456
Db 1 TGAAGATGGG 11

RESULT 108
US-10-257-017B-285252
; Sequence 285252, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 285252
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide-Primer
US-10-257-017B-285252

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTA 1412
Db 2 TAAATTTGTTA 12

RESULT 109
US-10-257-017B-288484/c
; Sequence 288484, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 288484
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013537
US-10-257-017B-288484

Query Match      8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATAT 1362
Db 1 AAGAAAAATAT 11
```



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Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGATG 1

RESULT 101
US-10-257-017B-268599
; Sequence 268599, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268599
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00001245
US-10-257-017B-268599

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1365
Db 2 AAAAATATTC 12

RESULT 102
US-10-257-017B-276339
; Sequence 276339, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276339
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00004157
US-10-257-017B-276339

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTA 1412
Db 2 TAAATTTGTTA 12

RESULT 103
US-10-257-017B-279373
; Sequence 279373, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279373
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00007280
US-10-257-017B-279373

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATT 1363
Db 2 AGAAAAATATT 12

RESULT 104
US-10-257-017B-282131
; Sequence 282131, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282131
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0010466
US-10-257-017B-282131

Query Match 8.5%; Score 11; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1401 GTAAAAATTGTT 1411
Db 1 GTAAAAATTGTT 11

RESULT 105
US-10-257-017B-282132
; Sequence 282132, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 282132
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00001245
US-10-257-017B-282132
```

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237020
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057824
US-10-257-017B-237020

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373
Db 1 ACTCCACGCATCA 13

RESULT 97
US-10-257-017B-237047
; Sequence 237047, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237047
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237047

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGATG 13

RESULT 98
US-10-257-017B-237048/c
; Sequence 237048, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237048
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237048

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGATG 1

RESULT 99
US-10-257-017B-237049
; Sequence 237049, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237049
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237049

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGATG 13

RESULT 100
US-10-257-017B-237050/c
; Sequence 237050, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237050
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237050

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGATG 13
```

US-10-257-017B-223955

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1367
| | | | | | | | | | | | | |
DB 13 AAAAATATTCAC 1

RESULT 92

US-10-257-017B-223956
; Sequence 223956, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223956
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056462
US-10-257-017B-223956

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1367
| | | | | | | | | | | | | |
DB 1 AAAAATATTCAC 13

RESULT 93

US-10-257-017B-231559
; Sequence 231559, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 231559
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056462
US-10-257-017B-231559

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTTGTAATG 1415
| | | | | | | | | | | | | |
DB 1 AAAATTTGTAATG 13

RESULT 94

US-10-257-017B-231560/c
; Sequence 231560, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 231560
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056462
US-10-257-017B-231560

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTTGTAATG 1415
| | | | | | | | | | | | | |
DB 13 AAAATTTGTAATG 1

RESULT 95

US-10-257-017B-237019/c
; Sequence 237019, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylation
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237019
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057824
US-10-257-017B-237019

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCAGCATCA 1373
| | | | | | | | | | | | | |
DB 13 ATTCCAGCATCA 1

RESULT 96

US-10-257-017B-237020
; Sequence 237020, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216235
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216235

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
Db 1 AAATTGATAATGA 13

RESULT 88
US-10-257-017B-216236/c
; Sequence 216236, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216236
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216236

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATTGTTAATGA 1416
Db 13 AAATTGATAATGA 1

RESULT 89
US-10-257-017B-221379
; Sequence 221379, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221379
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053879
US-10-257-017B-221379

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```

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1347 AGGGGAAGAAAA 1359
Db 1 AGGGGAAGAAAA 13

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RESULT 90
US-10-257-017B-221380/c
; Sequence 221380, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 221380
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053879
US-10-257-017B-221380

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```

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

QY 1347 AGGGGAAGAAAA 1359
Db 13 AGGGGAAGAAAA 1

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RESULT 91
US-10-257-017B-223955/c
; Sequence 223955, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223955
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054559

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```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173478

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
Db 1 AAAATATTCACG 13

RESULT 83
US-10-257-017B-189805/C
; Sequence 189805, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189805
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189805

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
Db 13 AAAATATTCACG 1

RESULT 84
US-10-257-017B-189806
; Sequence 189806, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189806
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189806

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1356 AAAATATTCACG 1368
Db 1 AAAATATTCACG 13

RESULT 85
US-10-257-017B-216233
; Sequence 216233, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216233
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216233

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATGTTAATGA 1416
Db 1 AAATGTTAATGA 13

RESULT 86
US-10-257-017B-216234/C
; Sequence 216234, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216234
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052586
US-10-257-017B-216234

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1404 AAATGTTAATGA 1416
Db 13 AAATGTTAATGA 1

RESULT 87
US-10-257-017B-216235
; Sequence 216235, Application US/10257017B
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RESULT 78
US-10-257-017B-171584/c
; Sequence 171584, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171584
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042775
US-10-257-017B-171584

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1405 AATTGTTAATGAT 1417
Db 13 AATAGTTAATGAT 1

RESULT 79
US-10-257-017B-172419
; Sequence 172419, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172419
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042981
US-10-257-017B-172419

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGTTG 13

RESULT 80
US-10-257-017B-172420/c
; Sequence 172420, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172420
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042981
US-10-257-017B-172420

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGTTG 1

RESULT 81
US-10-257-017B-173477/c
; Sequence 173477, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173477
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173477

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1356 AAAATATTCACG 1368
Db 13 AAAATACTCCACG 1

RESULT 82
US-10-257-017B-173478
; Sequence 173478, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173478
; LENGTH: 13
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154795
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009515
US-10-257-017B-154795

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 13 AATAAAAAATATTC 1

RESULT 74
US-10-257-017B-154796
; Sequence 154796, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154796
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009515
US-10-257-017B-154796

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 13 AATAAAAAATATTC 1

RESULT 75
US-10-257-017B-161089
; Sequence 161089, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161089
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040557
US-10-257-017B-161089

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATTC 1364
Db 13 AATAAAAAATATTC 13

RESULT 76
US-10-257-017B-161090/c
; Sequence 161090, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161090
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040557
US-10-257-017B-161090

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGTTAATG 13

RESULT 77
US-10-257-017B-171583
; Sequence 171583, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171583
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042775
US-10-257-017B-171583

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGAT 1417
Db 13 AATTGTTAATGAT 13
```

```

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGTTAATG 13

RESULT 76
US-10-257-017B-161090/c
; Sequence 161090, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161090
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040557
US-10-257-017B-161090

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGTTAATG 1

RESULT 77
US-10-257-017B-171583
; Sequence 171583, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171583
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042775
US-10-257-017B-171583

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1405 AATTGTTAATGAT 1417
Db 13 AATTGTTAATGAT 13
```

QY 1352 AAGAAAAATATTC 1364
Db 1 AAAAAAATATTC 13

RESULT 69

US-10-257-017B-151701
; Sequence 151701, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151701
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038332
US-10-257-017B-151701

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGTTA 1412
Db 1 GTTAAATTTGTTA 13

RESULT 70

US-10-257-017B-151702/c
; Sequence 151702, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151702
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038332
US-10-257-017B-151702

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGTTA 1412
Db 1 GTTAAATTTGTTA 13

RESULT 71

US-10-257-017B-154357
; Sequence 154357, Application US/10257017B
; GENERAL INFORMATION:

; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039007
US-10-257-017B-154357

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTG 1459
Db 1 GAAAGATGGGTG 13

RESULT 72

US-10-257-017B-154358/c
; Sequence 154358, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154358
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039007
US-10-257-017B-154358

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGGTG 1459
Db 13 GAAAGATGGGTG 1

RESULT 73

US-10-257-017B-154795/c
; Sequence 154795, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8


```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138954
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034809
US-10-257-017B-138954

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
Db 13 AAAATTGTTAAGG 1

RESULT 65
US-10-257-017B-145723
; Sequence 145723, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145723
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036706
US-10-257-017B-145723

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGAAG 13

RESULT 66
US-10-257-017B-145724/c
; Sequence 145724, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145724
; LENGTH: 13
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036706
US-10-257-017B-145724
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1406 ATTGTTAATGATG 1418
Db 13 ATTGTTAATGAAG 1
```

```
RESULT 67
US-10-257-017B-150141/c
; Sequence 150141, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150141
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150141
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1352 AAGAAAAATATTC 1364
Db 13 AAAAAAATATTC 1
```

```
RESULT 68
US-10-257-017B-150142
; Sequence 150142, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150142
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037898
US-10-257-017B-150142
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGTAAATTT 1408
DB 1 AGTAGTAAATTT 13

RESULT 60
US-10-257-017B-137374/c
; Sequence 137374, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137374
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034317
US-10-257-017B-137374

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1396 AGGAGTAAATTT 1408
DB 13 AGTAGTAAATTT 1

RESULT 61
US-10-257-017B-137723
; Sequence 137723, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137723
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034420
US-10-257-017B-137723

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTTTAA 1413
DB 1 GAAAAATTTTAA 13

RESULT 62
US-10-257-017B-137724/c
; Sequence 137724, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137724
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034420
US-10-257-017B-137724

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTTTAA 1413
DB 13 GAAAAATTTTAA 1

RESULT 63
US-10-257-017B-138953
; Sequence 138953, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138953
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034809
US-10-257-017B-138953

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
DB 1 AAAATTGTTAAGG 13

RESULT 64
US-10-257-017B-138954/c
; Sequence 138954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138954
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034810
US-10-257-017B-138954
```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAATG 1415
DB 1 AAAATTGTTAAGG 13

RESULT 64
US-10-257-017B-138954/c
; Sequence 138954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 138954
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034810
US-10-257-017B-138954
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99881
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024826
US-10-257-017B-99881

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAATTGTTAAT 1414
Db      1 TAAATTGTTAAT 13

RESULT 56
US-10-257-017B-99882/c
; Sequence 99882, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 99882
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024826
US-10-257-017B-99882

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAATTGTTAAT 1414
Db      13 TAAATTGTTAAT 1

RESULT 57
US-10-257-017B-136991/c
; Sequence 136991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

```
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136991
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034234
US-10-257-017B-136991

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1361 ATTCCACGCATCA 1373
Db      13 AATCCACGCATCA 1

RESULT 58
US-10-257-017B-136992
; Sequence 136992, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136992
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034234
US-10-257-017B-136992

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1361 ATTCCACGCATCA 1373
Db      1 AATCCACGCATCA 13

RESULT 59
US-10-257-017B-137373
; Sequence 137373, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 137373
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034317
US-10-257-017B-137373
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021078
US-10-257-017B-83730

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1448 GAAGATGGTTGA 1450
Db 13 GATGATGGTTGA 1

RESULT 51
US-10-257-017B-85503
; Sequence 85503, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85503
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021486
US-10-257-017B-85503

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAATG 1415
Db 1 AAAATTGTTATG 13

RESULT 52
US-10-257-017B-85504/c
; Sequence 85504, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85504
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021486
US-10-257-017B-85504

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAATG 1415
Db 1 AAAATTGTTAATG 13

RESULT 53
US-10-257-017B-97197
; Sequence 97197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97197
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024108
US-10-257-017B-97197

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GGTAATAATTGTTA 1412
Db 1 GGTAATAATTGTTA 13

RESULT 54
US-10-257-017B-97198/c
; Sequence 97198, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97198
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024108
US-10-257-017B-97198

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GGTAATAATTGTTA 1412
Db 13 GGTAATAATTGTTA 1

RESULT 55
US-10-257-017B-99881
; Sequence 99881, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
US-10-257-017B-64670/c
; Sequence 64670, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64670
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017054
US-10-257-017B-64670

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1347 AGGGAGAGAAAA 1359
Db      13 AGGGAGAAAAAA 1

RESULT 47
US-10-257-017B-66953
; Sequence 66953, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66953
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017542
US-10-257-017B-66953

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1447 GGAAGATGGGTTG 1459
Db      1 GGAATATGGGTTG 13

RESULT 48
US-10-257-017B-66954/c
; Sequence 66954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 83730
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021078
US-10-257-017B-83729

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1448 GAAGATGGGTTGA 1460
Db      1 GATGATGGGTTGA 13

RESULT 49
US-10-257-017B-83729
; Sequence 83729, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 83729
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021078
US-10-257-017B-83729

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1448 GAAGATGGGTTGA 1460
Db      1 GATGATGGGTTGA 13

RESULT 50
US-10-257-017B-83730/c
; Sequence 83730, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 83730
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017542
US-10-257-017B-66953

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1447 GGAAGATGGGTTG 1459
Db      1 GGAATATGGGTTG 13

RESULT 48
US-10-257-017B-66954/c
; Sequence 66954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
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; SEQ ID NO 63939
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Art
; FEATURE:
; OTHER INFORMATION:
US-10-257-017B-63

```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. NO. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Qy 1407 TTGTTAATGATGA 1419
 |||||
 db 1 TTGTTAATGTTGA 13

```

RESULT 42
US-10-257-017B-63940/c
; Sequence 63940, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63940
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016878
US-10-257-017B-63940

```

```
Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 1407 TTGTTAATGATGA 1419
13 TTGTTAATGTTGA 1

```

RESULT 43
US-10-257-017B-64463
; Sequence 64463, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64463
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017001
US-10-257-017B-64463

```

Query Match 8.8%; Score 11.4; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATGA 1419
||| ||| ||| ||| |||
pb 1 TTTTAAATGATGA 13

```

RESULT 44
US-10-257-017B-64464/c
; Sequence 64464, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64464
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017001
US-10-257-017B-64464

```

Query Match 8.8%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 4.6e+02;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATGA 1419
D'b 13 TTTTAAATGATGA 1

```

RESULT 45
US-10-257-017B-64669
; Sequence 64669, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methyations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 64669
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017054
US-10-257-017B-64669

```

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1347	AGGGGAAGAAAA	1359
Db	1	AGGGGAAGAAAA	13

RESULT 46

```
Db      13 TAAAAATGTTTAT 1
;
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59939
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016022
US-10-257-017B-59939

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAAAATGTTTAT 1414
      ||||| |||||
Db      1 TAAAAATGTTTAT 13

RESULT 40
US-10-257-017B-59940/c
; Sequence 59940, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59940
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016022
US-10-257-017B-59940

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1402 TAAAAATGTTTAT 1414
      ||||| |||||
Db      13 TAAAAATGTTTAT 1

RESULT 41
US-10-257-017B-63939
; Sequence 63939, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59940
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015400
US-10-257-017B-59940

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAAATGTTAATG 1415
      ||||| |||||
Db      1 AAAAATGTTAATG 13

RESULT 38
US-10-257-017B-56900/c
; Sequence 56900, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56900
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015400
US-10-257-017B-56900

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1403 AAAAATGTTAATG 1415
      ||||| |||||
Db      13 AAAAATGTTAATG 1

RESULT 39
US-10-257-017B-59939
; Sequence 59939, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

```
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38156
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011826
US-10-257-017B-38156

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1361 ATTCCAGGCATCA 1373
Db 1 ATTCCAGGCATCA 13

RESULT 33
US-10-257-017B-44789
; Sequence 44789, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44789
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013109
US-10-257-017B-44789

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTAAAA 1406
Db 1 AAAGGAGGTAAATA 13

RESULT 34
US-10-257-017B-44790/c
; Sequence 44790, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 44790
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013109
US-10-257-017B-44790

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTAAAA 1406
Db 13 AAAGGAGGTAAATA 1

RESULT 35
US-10-257-017B-46249
; Sequence 46249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46249
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013388
US-10-257-017B-46249

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAAT 1414
Db 1 TAAATTTGTTAT 13

RESULT 36
US-10-257-017B-46250/c
; Sequence 46250, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 46250
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013388
US-10-257-017B-46250

Query Match      8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAAT 1414
Db 1 TAAATTTGTTAT 13
```


Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412

Db 2 GTAAATTTGTTA 13

RESULT 28

US-10-257-017B-245004/c
; Sequence 245004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245004
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046671
US-10-257-017B-189700

Query Match 8.9%; Score 11.6; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 4.1e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1365

Db 1 RAAAAATATTC 12

RESULT 31

US-10-257-017B-38155/c
; Sequence 38155, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38155
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011826
US-10-257-017B-38155

Query Match 8.8%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATCA 1373

Db 13 ATTCCACGCATCA 1

RESULT 32

US-10-257-017B-38156
; Sequence 38156, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 38156
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046671
US-10-257-017B-189699

RESULT 30

US-10-257-017B-189700

Query Match 8.9%; Score 11.6; DB 1; Length 13;

Best Local Similarity 91.7%; Pred. No. 4.1e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1365

Db 13 RAAAAATATTC 2

US-10-257-017B-189699/c
; Sequence 189699, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189699
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046671
US-10-257-017B-189699

Query Match 9.2%; Score 12; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412

Db 12 GTAAATTTGTTA 1

RESULT 29

US-10-257-017B-189699/c
; Sequence 189699, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189699
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046671
US-10-257-017B-189699

```
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158575
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158575

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
Db 1 TAAATTTGTTAA 12

RESULT 24
US-10-257-017B-158576/c
; Sequence 158576, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158576
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158576

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
Db 13 TAAATTTGTTAA 2

RESULT 25
US-10-257-017B-173475/c
; Sequence 173475, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173475
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173475

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1356 AAAATATTCCAC 1367
Db 13 AAAATATTCCAC 2

RESULT 26
US-10-257-017B-173476
; Sequence 173476, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173476
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173476

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1356 AAAATATTCCAC 1367
Db 1 AAAATATTCCAC 12

RESULT 27
US-10-257-017B-245003
; Sequence 245003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245003
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059825
US-10-257-017B-245003

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
```

US-10-257-017B-95978

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
|||||
DB 12 TTGTTAATGATG 1

RESULT 19

US-10-257-017B-122875
; Sequence 122875, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122875
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122875

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
|||||
DB 1 AAAATTGTTAAT 12

RESULT 20

US-10-257-017B-122876/c
; Sequence 122876, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122876
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122876

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
|||||
DB 13 AAAATTGTTAAT 2

RESULT 21

US-10-257-017B-142019
; Sequence 142019, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142019
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035574
US-10-257-017B-142019

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
|||||
DB 2 GGGGAAGAAAAA 13

RESULT 22

US-10-257-017B-142020/c
; Sequence 142020, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142020
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035574
US-10-257-017B-142020

Query Match 9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
|||||
DB 12 GGGGAAGAAAAA 1

RESULT 23

US-10-257-017B-158575
; Sequence 158575, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 275206
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003823
US-10-257-017B-275206

Query Match          9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408
Db 12 GGAGGTAAATTT 1

RESULT 15
US-10-257-017B-358611
; Sequence 358611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 358611
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006594
US-10-257-017B-358611

Query Match          9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1408 TGTTAATGATCA 1419
Db 1 TGTTAATGATCA 12

RESULT 16
US-10-257-017B-370810/c
; Sequence 370810, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

```
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370810
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058409
US-10-257-017B-370810

Query Match          9.2%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAATA 1361
Db 12 GGAAGAAAATA 1

RESULT 17
US-10-257-017B-95977
; Sequence 95977, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95977
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
US-10-257-017B-95977

Query Match          9.2%; Score 12; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 2 TTGTTAATGATG 13

RESULT 18
US-10-257-017B-95978/c
; Sequence 95978, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95978
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023864
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; SEQ ID NO 149
; LENGTH: 19
; TYPE: DNA
; ORGANISM: homo sapiens
PCT-US03-32805-149

Query Match      10.6%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 72;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1385 CTTCTGATCAAGGAGG 1401
Db 19 CTTGAGCAAGGAGG 3

RESULT 10
US-10-257-017B-173479/c
; Sequence 173479, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173479
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173479

Query Match      10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
Db 13 AAAATATTCACG 1

RESULT 11
US-10-257-017B-173480
; Sequence 173480, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173480
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173480

Query Match      10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTCACG 1368
Db 13 AAAATATTCACG 1

RESULT 12
US-10-257-017B-237045
; Sequence 237045, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237045
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237045

Query Match      10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGATG 1418
Db 1 ATTGTTAATGATG 13

RESULT 13
US-10-257-017B-237046/c
; Sequence 237046, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 237046
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057828
US-10-257-017B-237046

Query Match      10.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 275206, Application US/10257017B
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c 739	10	7.7	12	1	US-10-257-017B-344354	Sequence 344354,	c 812	10	7.7	12	1	US-10-257-017B-50663	Sequence 50663, A
c 740	10	7.7	12	1	US-10-257-017B-344578	Sequence 344578,	c 813	10	7.7	12	1	US-10-257-017B-50664	Sequence 50664, A
c 741	10	7.7	12	1	US-10-257-017B-344643	Sequence 344643,	c 814	10	7.7	12	1	US-10-257-017B-53653	Sequence 53653, A
c 742	10	7.7	12	1	US-10-257-017B-344752	Sequence 344752,	c 815	10	7.7	12	1	US-10-257-017B-53654	Sequence 53654, A
c 743	10	7.7	12	1	US-10-257-017B-346862	Sequence 346862,	c 816	10	7.7	12	1	US-10-257-017B-53709	Sequence 53709, A
c 744	10	7.7	12	1	US-10-257-017B-349496	Sequence 349496,	c 817	10	7.7	12	1	US-10-257-017B-53710	Sequence 53710, A
c 745	10	7.7	12	1	US-10-257-017B-351099	Sequence 351099,	c 818	10	7.7	12	1	US-10-257-017B-53942	Sequence 53942, A
c 746	10	7.7	12	1	US-10-257-017B-351979	Sequence 351979,	c 819	10	7.7	12	1	US-10-257-017B-54063	Sequence 54063, A
c 747	10	7.7	12	1	US-10-257-017B-352091	Sequence 352091,	c 820	10	7.7	12	1	US-10-257-017B-54064	Sequence 54064, A
c 748	10	7.7	12	1	US-10-257-017B-352518	Sequence 352518,	c 821	10	7.7	12	1	US-10-257-017B-56067	Sequence 56067, A
c 749	10	7.7	12	1	US-10-257-017B-353237	Sequence 353237,	c 822	10	7.7	12	1	US-10-257-017B-56068	Sequence 56068, A
c 750	10	7.7	12	1	US-10-257-017B-354698	Sequence 354698,	c 823	10	7.7	12	1	US-10-257-017B-57845	Sequence 57845, A
c 751	10	7.7	12	1	US-10-257-017B-357004	Sequence 357004,	c 824	10	7.7	12	1	US-10-257-017B-57846	Sequence 57846, A
c 752	10	7.7	12	1	US-10-257-017B-357200	Sequence 357200,	c 825	10	7.7	12	1	US-10-257-017B-59775	Sequence 59775, A
c 753	10	7.7	12	1	US-10-257-017B-357400	Sequence 357400,	c 826	10	7.7	12	1	US-10-257-017B-59776	Sequence 59776, A
c 754	10	7.7	12	1	US-10-257-017B-357488	Sequence 357488,	c 827	10	7.7	12	1	US-10-257-017B-60199	Sequence 60199, A
c 755	10	7.7	12	1	US-10-257-017B-359150	Sequence 359150,	c 828	10	7.7	12	1	US-10-257-017B-60200	Sequence 60200, A
c 756	10	7.7	12	1	US-10-257-017B-360354	Sequence 360354,	c 829	10	7.7	12	1	US-10-257-017B-61279	Sequence 61279, A
c 757	10	7.7	12	1	US-10-257-017B-360593	Sequence 360593,	c 830	10	7.7	12	1	US-10-257-017B-61280	Sequence 61280, A
c 758	10	7.7	12	1	US-10-257-017B-361638	Sequence 361638,	c 831	10	7.7	12	1	US-10-257-017B-62977	Sequence 62977, A
c 759	10	7.7	12	1	US-10-257-017B-365441	Sequence 365441,	c 832	10	7.7	12	1	US-10-257-017B-62978	Sequence 62978, A
c 760	10	7.7	12	1	US-10-257-017B-365860	Sequence 365860,	c 833	10	7.7	12	1	US-10-257-017B-63973	Sequence 63973, A
c 761	10	7.7	12	1	US-10-257-017B-365863	Sequence 365863,	c 834	10	7.7	12	1	US-10-257-017B-63974	Sequence 63974, A
c 762	10	7.7	12	1	US-10-257-017B-366148	Sequence 366148,	c 835	10	7.7	12	1	US-10-257-017B-65109	Sequence 65109, A
c 763	10	7.7	12	1	US-10-257-017B-366149	Sequence 366149,	c 836	10	7.7	12	1	US-10-257-017B-65110	Sequence 65110, A

c 399	10.4	8.0	13	1	US-10-257-017B-40810	Sequence 40810, A	472	10.4	8.0	13	1	US-10-257-017B-120329	Sequence 120329,
c 400	10.4	8.0	13	1	US-10-257-017B-41013	Sequence 41013, A	c 473	10.4	8.0	13	1	US-10-257-017B-120330	Sequence 120330,
c 401	10.4	8.0	13	1	US-10-257-017B-41014	Sequence 41014, A	474	10.4	8.0	13	1	US-10-257-017B-122873	Sequence 122873,
c 402	10.4	8.0	13	1	US-10-257-017B-41115	Sequence 41115, A	c 475	10.4	8.0	13	1	US-10-257-017B-122874	Sequence 122874,
c 403	10.4	8.0	13	1	US-10-257-017B-41116	Sequence 41116, A	476	10.4	8.0	13	1	US-10-257-017B-122877	Sequence 122877,
c 404	10.4	8.0	13	1	US-10-257-017B-42367	Sequence 42367, A	c 477	10.4	8.0	13	1	US-10-257-017B-122878	Sequence 122878,
c 405	10.4	8.0	13	1	US-10-257-017B-42368	Sequence 42368, A	478	10.4	8.0	13	1	US-10-257-017B-125127	Sequence 125127,
c 406	10.4	8.0	13	1	US-10-257-017B-42369	Sequence 42369, A	c 479	10.4	8.0	13	1	US-10-257-017B-125128	Sequence 125128,
c 407	10.4	8.0	13	1	US-10-257-017B-42370	Sequence 42370, A	480	10.4	8.0	13	1	US-10-257-017B-125129	Sequence 125129,
c 408	10.4	8.0	13	1	US-10-257-017B-44421	Sequence 44421, A	c 481	10.4	8.0	13	1	US-10-257-017B-126929	Sequence 126929,
c 409	10.4	8.0	13	1	US-10-257-017B-44422	Sequence 44422, A	482	10.4	8.0	13	1	US-10-257-017B-126930	Sequence 126930,
c 410	10.4	8.0	13	1	US-10-257-017B-48807	Sequence 48807, A	c 483	10.4	8.0	13	1	US-10-257-017B-132023	Sequence 132023,
c 411	10.4	8.0	13	1	US-10-257-017B-48808	Sequence 48808, A	484	10.4	8.0	13	1	US-10-257-017B-132024	Sequence 132024,
c 412	10.4	8.0	13	1	US-10-257-017B-48921	Sequence 48921, A	c 485	10.4	8.0	13	1	US-10-257-017B-136835	Sequence 136835,
c 413	10.4	8.0	13	1	US-10-257-017B-48922	Sequence 48922, A	486	10.4	8.0	13	1	US-10-257-017B-136836	Sequence 136836,
c 414	10.4	8.0	13	1	US-10-257-017B-49463	Sequence 49463, A	c 487	10.4	8.0	13	1	US-10-257-017B-137595	Sequence 137595,
c 415	10.4	8.0	13	1	US-10-257-017B-49464	Sequence 49464, A	488	10.4	8.0	13	1	US-10-257-017B-137596	Sequence 137596,
c 416	10.4	8.0	13	1	US-10-257-017B-52751	Sequence 52751, A	c 489	10.4	8.0	13	1	US-10-257-017B-137827	Sequence 137827,
c 417	10.4	8.0	13	1	US-10-257-017B-52752	Sequence 52752, A	490	10.4	8.0	13	1	US-10-257-017B-137828	Sequence 137828,
c 418	10.4	8.0	13	1	US-10-257-017B-54077	Sequence 54077, A	c 491	10.4	8.0	13	1	US-10-257-017B-138159	Sequence 138159,
c 419	10.4	8.0	13	1	US-10-257-017B-54078	Sequence 54078, A	492	10.4	8.0	13	1	US-10-257-017B-138160	Sequence 138160,
c 420	10.4	8.0	13	1	US-10-257-017B-56443	Sequence 56443, A	c 493	10.4	8.0	13	1	US-10-257-017B-138473	Sequence 138473,
c 421	10.4	8.0	13	1	US-10-257-017B-56444	Sequence 56444, A	494	10.4	8.0	13	1	US-10-257-017B-138474	Sequence 138474,
c 422	10.4	8.0	13	1	US-10-257-017B-56677	Sequence 56677, A	c 495	10.4	8.0	13	1	US-10-257-017B-139219	Sequence 139219,
c 423	10.4	8.0	13	1	US-10-257-017B-56678	Sequence 56678, A	496	10.4	8.0	13	1	US-10-257-017B-139220	Sequence 139220,
c 424	10.4	8.0	13	1	US-10-257-017B-58211	Sequence 58211, A	c 497	10.4	8.0	13	1	US-10-257-017B-142021	Sequence 142021,
c 425	10.4	8.0	13	1	US-10-257-017B-58212	Sequence 58212, A	498	10.4	8.0	13	1	US-10-257-017B-142022	Sequence 142022,
c 426	10.4	8.0	13	1	US-10-257-017B-58981	Sequence 58981, A	c 499	10.4	8.0	13	1	US-10-257-017B-146343	Sequence 146343,
c 427	10.4	8.0	13	1	US-10-257-017B-58982	Sequence 58982, A	500	10.4	8.0	13	1	US-10-257-017B-146344	Sequence 146344,
c 428	10.4	8.0	13	1	US-10-257-017B-62607	Sequence 62607, A	c 501	10.4	8.0	13	1	US-10-257-017B-146345	Sequence 146345,
c 429	10.4	8.0	13	1	US-10-257-017B-62608	Sequence 62608, A	502	10.4	8.0	13	1	US-10-257-017B-146463	Sequence 146463,
c 430	10.4	8.0	13	1	US-10-257-017B-64543	Sequence 64543, A	c 503	10.4	8.0	13	1	US-10-257-017B-146464	Sequence 146464,
c 431	10.4	8.0	13	1	US-10-257-017B-75287	Sequence 75287, A	504	10.4	8.0	13	1	US-10-257-017B-147957	Sequence 147957,
c 432	10.4	8.0	13	1	US-10-257-017B-75288	Sequence 75288, A	c 505	10.4	8.0	13	1	US-10-257-017B-147958	Sequence 147958,
c 433	10.4	8.0	13	1	US-10-257-017B-75289	Sequence 75289, A	506	10.4	8.0	13	1	US-10-257-017B-148003	Sequence 148003,
c 434	10.4	8.0	13	1	US-10-257-017B-75920	Sequence 75920, A	c 507	10.4	8.0	13	1	US-10-257-017B-148004	Sequence 148004,
c 435	10.4	8.0	13	1	US-10-257-017B-77735	Sequence 77735, A	508	10.4	8.0	13	1	US-10-257-017B-148005	Sequence 148005,
c 436	10.4	8.0	13	1	US-10-257-017B-77736	Sequence 77736, A	c 509	10.4	8.0	13	1	US-10-257-017B-148006	Sequence 148006,
c 437	10.4	8.0	13	1	US-10-257-017B-79875	Sequence 79875, A	510	10.4	8.0	13	1	US-10-257-017B-148007	Sequence 148007,
c 438	10.4	8.0	13	1	US-10-257-017B-79876	Sequence 79876, A	c 511	10.4	8.0	13	1	US-10-257-017B-149825	Sequence 149825,
c 439	10.4	8.0	13	1	US-10-257-017B-81585	Sequence 81585, A	512	10.4	8.0	13	1	US-10-257-017B-149826	Sequence 149826,
c 440	10.4	8.0	13	1	US-10-257-017B-81586	Sequence 81586, A	c 513	10.4	8.0	13	1	US-10-257-017B-149883	Sequence 149883,
c 441	10.4	8.0	13	1	US-10-257-017B-81587	Sequence 81587, A	514	10.4	8.0	13	1	US-10-257-017B-149884	Sequence 149884,
c 442	10.4	8.0	13	1	US-10-257-017B-89811	Sequence 89811, A	c 515	10.4	8.0	13	1	US-10-257-017B-150061	Sequence 150061,
c 443	10.4	8.0	13	1	US-10-257-017B-89812	Sequence 89812, A	516	10.4	8.0	13	1	US-10-257-017B-150062	Sequence 150062,
c 444	10.4	8.0	13	1	US-10-257-017B-91971	Sequence 91971, A	c 517	10.4	8.0	13	1	US-10-257-017B-150063	Sequence 150063,
c 445	10.4	8.0	13	1	US-10-257-017B-91972	Sequence 91972, A	518	10.4	8.0	13	1	US-10-257-017B-150204	Sequence 150204,
c 446	10.4	8.0	13	1	US-10-257-017B-95979	Sequence 95979, A	c 519	10.4	8.0	13	1	US-10-257-017B-150693	Sequence 150693,
c 447	10.4	8.0	13	1	US-10-257-017B-95980	Sequence 95980, A	520	10.4	8.0	13	1	US-10-257-017B-150694	Sequence 150694,
c 448	10.4	8.0	13	1	US-10-257-017B-101129	Sequence 101129, A	c 521	10.4	8.0	13	1	US-10-257-017B-151927	Sequence 151927,
c 449	10.4	8.0	13	1	US-10-257-017B-101130	Sequence 101130, A	522	10.4	8.0	13	1	US-10-257-017B-151928	Sequence 151928,
c 450	10.4	8.0	13	1	US-10-257-017B-110669	Sequence 110669, A	c 523	10.4	8.0	13	1	US-10-257-017B-151929	Sequence 151929,
c 451	10.4	8.0	13	1	US-10-257-017B-110670	Sequence 110670, A	524	10.4	8.0	13	1	US-10-257-017B-152249	Sequence 152249,
c 452	10.4	8.0	13	1	US-10-257-017B-110757	Sequence 110757, A	c 525	10.4	8.0	13	1	US-10-257-017B-152250	Sequence 152250,
c 453	10.4	8.0	13	1	US-10-257-017B-110758	Sequence 110758, A	526	10.4	8.0	13	1	US-10-257-017B-152797	Sequence 152797,
c 454	10.4	8.0	13	1	US-10-257-017B-112259	Sequence 112259, A	c 527	10.4	8.0	13	1	US-10-257-017B-152798	Sequence 152798,
c 455	10.4	8.0	13	1	US-10-257-017B-112260	Sequence 112260, A	528	10.4	8.0	13	1	US-10-257-017B-153537	Sequence 153537,
c 456	10.4	8.0	13	1	US-10-257-017B-114029	Sequence 114029, A	c 529	10.4	8.0	13	1	US-10-257-017B-153538	Sequence 153538,
c 457	10.4	8.0	13	1	US-10-257-017B-114030	Sequence 114030, A	530	10.4	8.0	13	1	US-10-257-017B-153905	Sequence 153905,
c 458	10.4	8.0	13	1	US-10-257-017B-115143	Sequence 115143, A	c 531	10.4	8.0	13	1	US-10-257-017B-153906	Sequence 153906,
c 459	10.4	8.0	13	1	US-10-257-017B-115144	Sequence 115144, A	532	10.4	8.0	13	1	US-10-257-017B-158573	Sequence 158573,
c 460	10.4	8.0	13	1	US-10-257-017B-115349	Sequence 115349, A	c 533	10.4	8.0	13	1	US-10-257-017B-158574	Sequence 158574,
c 461	10.4	8.0	13	1	US-10-257-017B-115350	Sequence 115350, A	534	10.4	8.0	13	1	US-10-257-017B-158577	Sequence 158577,
c 462	10.4	8.0	13	1	US-10-257-017B-116365	Sequence 116365, A	c 535	10.4	8.0	13	1	US-10-257-017B-158578	Sequence 158578,
c 463	10.4	8.0	13	1	US-10-257-017B-116366	Sequence 116366, A	536	10.4	8.0	13	1	US-10-257-017B-160677	Sequence 160677,
c 464	10.4	8.0	13	1	US-10-257-017B-116833	Sequence 116833, A	c 537	10.4	8.0	13	1	US-10-257-017B-161201	Sequence 161201,
c 465	10.4	8.0	13	1	US-10-257-017B-116834	Sequence 116834, A	538	10.4	8.0	13	1	US-10-257-017B-161202	Sequence 161202,
c 466	10.4	8.0	13	1	US-10-257-017B-117055	Sequence 117055, A	c 539	10.4	8.0	13	1	US-10-257-017B-165193	Sequence 165193,
c 467	10.4	8.0	13	1	US-10-257-017B-117056	Sequence 117056, A	540	10.4	8.0	13	1	US-10-257-017B-165194	Sequence 165194,
c 468	10.4	8.0	13	1	US-10-257-017B-117057	Sequence 117057, A	c 541	10.4	8.0	13	1	US-10-257-017B-165707	Sequence 165707,
c 469	10.4	8.0	13	1	US-10-257-017B-117058	Sequence 117058, A	542	10.4	8.0	13	1	US-10-257-017B-165708	Sequence 165708,
c 470	10.4	8.0	13	1	US-10-257-017B-119549	Sequence 119549, A	c 543	10.4	8.0	13	1	US-10-257-017B-170191	Sequence 170191,
c 471	10.4	8.0	13	1	US-10-257-017B-119550	Sequence 119550, A	c 544	10.4	8.0	13	1	US-10-257-017B-170191	Sequence 170191,

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C 254	10.4	8.0	12	1	US-10-257-017B-288604	Sequence 288604,	C 327	10.4	8.0	12	1	US-10-257-017B-354801	Sequence 354801,
C 255	10.4	8.0	12	1	US-10-257-017B-289070	Sequence 289070,	C 328	10.4	8.0	12	1	US-10-257-017B-355488	Sequence 355488,
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257	10.4	8.0	12	1	US-10-257-017B-292736	Sequence 292736,	C 330	10.4	8.0	12	1	US-10-257-017B-358612	Sequence 358612,
258	10.4	8.0	12	1	US-10-257-017B-293279	Sequence 293279,	C 331	10.4	8.0	12	1	US-10-257-017B-358739	Sequence 358739,
C 259	10.4	8.0	12	1	US-10-257-017B-293307	Sequence 293307,	C 332	10.4	8.0	12	1	US-10-257-017B-360773	Sequence 360773,
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261	10.4	8.0	12	1	US-10-257-017B-296515	Sequence 296515,	C 334	10.4	8.0	12	1	US-10-257-017B-361641	Sequence 361641,
262	10.4	8.0	12	1	US-10-257-017B-298340	Sequence 298340,	C 335	10.4	8.0	12	1	US-10-257-017B-361893	Sequence 361893,
C 263	10.4	8.0	12	1	US-10-257-017B-298531	Sequence 298531,	C 336	10.4	8.0	12	1	US-10-257-017B-362270	Sequence 362270,
C 264	10.4	8.0	12	1	US-10-257-017B-298907	Sequence 298907,	C 337	10.4	8.0	12	1	US-10-257-017B-363295	Sequence 363295,
C 265	10.4	8.0	12	1	US-10-257-017B-301245	Sequence 301245,	C 338	10.4	8.0	12	1	US-10-257-017B-363916	Sequence 363916,
C 266	10.4	8.0	12	1	US-10-257-017B-303029	Sequence 303029,	C 339	10.4	8.0	12	1	US-10-257-017B-364757	Sequence 364757,
C 267	10.4	8.0	12	1	US-10-257-017B-304813	Sequence 304813,	C 340	10.4	8.0	12	1	US-10-257-017B-365010	Sequence 365010,
C 268	10.4	8.0	12	1	US-10-257-017B-305909	Sequence 305909,	C 341	10.4	8.0	12	1	US-10-257-017B-366931	Sequence 366931,
C 269	10.4	8.0	12	1	US-10-257-017B-306244	Sequence 306244,	C 342	10.4	8.0	12	1	US-10-257-017B-368493	Sequence 368493,
C 270	10.4	8.0	12	1	US-10-257-017B-306649	Sequence 306649,	C 343	10.4	8.0	12	1	US-10-257-017B-370403	Sequence 370403,
C 271	10.4	8.0	12	1	US-10-257-017B-306886	Sequence 306886,	C 344	10.4	8.0	12	1	US-10-257-017B-371943	Sequence 371943,
C 272	10.4	8.0	12	1	US-10-257-017B-306904	Sequence 306904,	C 345	10.4	8.0	12	1	US-10-257-017B-371972	Sequence 371972,
C 273	10.4	8.0	12	1	US-10-257-017B-307336	Sequence 307336,	C 346	10.4	8.0	12	1	US-10-257-017B-373070	Sequence 373070,
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C 275	10.4	8.0	12	1	US-10-257-017B-308016	Sequence 308016,	C 348	10.4	8.0	12	1	US-10-257-017B-373309	Sequence 373309,
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C 280	10.4	8.0	12	1	US-10-257-017B-313597	Sequence 313597,	C 353	10.4	8.0	12	1	US-10-257-017B-380141	Sequence 380141,
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C 283	10.4	8.0	12	1	US-10-257-017B-313947	Sequence 313947,	C 356	10.4	8.0	13	1	US-10-257-017B-1275	Sequence 1275, Ap
C 284	10.4	8.0	12	1	US-10-257-017B-314004	Sequence 314004,	C 357	10.4	8.0	13	1	US-10-257-017B-1276	Sequence 1276, Ap
C 285	10.4	8.0	12	1	US-10-257-017B-315661	Sequence 315661,	C 358	10.4	8.0	13	1	US-10-257-017B-3261	Sequence 3261, Ap
C 286	10.4	8.0	12	1	US-10-257-017B-317026	Sequence 317026,	C 359	10.4	8.0	13	1	US-10-257-017B-3262	Sequence 3262, Ap
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C 288	10.4	8.0	12	1	US-10-257-017B-318205	Sequence 318205,	C 361	10.4	8.0	13	1	US-10-257-017B-3642	Sequence 3642, Ap
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C 294	10.4	8.0	12	1	US-10-257-017B-324120	Sequence 324120,	C 367	10.4	8.0	13	1	US-10-257-017B-6924	Sequence 6924, Ap
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C 134	11	8.5	13	1	US-10-257-017B-27545	Sequence 27545, A	207	11	8.5	13	1	US-10-257-017B-217298	Sequence 217298,
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C 162	11	8.5	13	1	US-10-257-017B-138227	Sequence 138227,	C 235	10.4	8.0	12	1	US-10-257-017B-269019	Sequence 269019,
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OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:12:34 ; Search time 4 Seconds
(without alignments)
3.310 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcagggaagaaaatttc.....ggttgatcaagcaaatagga 130

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 0.5

Searched: 3976 seqs, 50925 residues

Total number of hits satisfying chosen parameters: 7952

Minimum DB seq length: 8

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database : rnnp.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	17.6	13.5	25	1	US-60-545-213-302875
2	15.2	11.7	20	1	PCT-US04-02003-307
C 3	15.2	11.7	21	1	PCT-US04-00035-39723
4	15.2	11.7	21	1	US-10-770-726-10180
5	14.8	11.4	21	1	PCT-US04-00035-28414
6	14.8	11.4	21	1	PCT-US04-00035-28415
7	14.8	11.4	21	1	PCT-US04-00035-28417
8	14.8	11.4	21	1	PCT-US04-00035-28418
C 9	13.8	10.6	19	1	PCT-US03-32805-149
C 10	13	10.0	13	1	US-10-257-017B-173479
11	13	10.0	13	1	US-10-257-017B-173480
12	13	10.0	13	1	US-10-257-017B-237045
C 13	13	10.0	13	1	US-10-257-017B-237046
C 14	12	9.2	12	1	US-10-257-017B-275206
15	12	9.2	12	1	US-10-257-017B-358611
C 16	12	9.2	12	1	US-10-257-017B-370810
17	12	9.2	13	1	US-10-257-017B-95977
C 18	12	9.2	13	1	US-10-257-017B-95978
19	12	9.2	13	1	US-10-257-017B-122875
C 20	12	9.2	13	1	US-10-257-017B-122876
21	12	9.2	13	1	US-10-257-017B-142019
C 22	12	9.2	13	1	US-10-257-017B-142020
23	12	9.2	13	1	US-10-257-017B-158575
C 24	12	9.2	13	1	US-10-257-017B-158576
C 25	12	9.2	13	1	US-10-257-017B-173475
26	12	9.2	13	1	US-10-257-017B-173476
C 27	12	9.2	13	1	US-10-257-017B-245003
28	12	9.2	13	1	US-10-257-017B-245004
C 29	11.6	8.9	13	1	US-10-257-017B-189599
C 30	11.6	8.9	13	1	US-10-257-017B-189600
C 31	11.4	8.8	13	1	US-10-257-017B-38155
32	11.4	8.8	13	1	US-10-257-017B-38156
C 33	11.4	8.8	13	1	US-10-257-017B-44789
					Sequence 302875, A
					Sequence 307, App
					Sequence 30723, A
					Sequence 10180, A
					Sequence 28414, A
					Sequence 28415, A
					Sequence 28417, A
					Sequence 28418, A
					Sequence 149, App
					Sequence 173479, A
					Sequence 173480, A
					Sequence 237045, A
					Sequence 237046, A
					Sequence 275206, A
					Sequence 358611, A
					Sequence 370810, A
					Sequence 95977, A
					Sequence 95978, A
					Sequence 122875, A
					Sequence 122876, A
					Sequence 142019, A
					Sequence 142020, A
					Sequence 158575, A
					Sequence 158576, A
					Sequence 173475, A
					Sequence 173476, A
					Sequence 245003, A
					Sequence 245004, A
					Sequence 189599, A
					Sequence 189600, A
					Sequence 38155, A
					Sequence 38156, A
					Sequence 44789, A

13	8.8	11.4	C 34	1	US-10-257-017B-44790	Sequence 44790, A
13	8.8	11.4	35	1	US-10-257-017B-46249	Sequence 46249, A
13	8.8	11.4	C 36	1	US-10-257-017B-46250	Sequence 46250, A
13	8.8	11.4	37	1	US-10-257-017B-56899	Sequence 56899, A
13	8.8	11.4	C 38	1	US-10-257-017B-56900	Sequence 56900, A
13	8.8	11.4	39	1	US-10-257-017B-59339	Sequence 59339, A
13	8.8	11.4	C 40	1	US-10-257-017B-59940	Sequence 59940, A
13	8.8	11.4	41	1	US-10-257-017B-63939	Sequence 63939, A
13	8.8	11.4	C 42	1	US-10-257-017B-63940	Sequence 63940, A
13	8.8	11.4	43	1	US-10-257-017B-64463	Sequence 64463, A
13	8.8	11.4	C 44	1	US-10-257-017B-64464	Sequence 64464, A
13	8.8	11.4	45	1	US-10-257-017B-64669	Sequence 64669, A
13	8.8	11.4	C 46	1	US-10-257-017B-64670	Sequence 64670, A
13	8.8	11.4	47	1	US-10-257-017B-66953	Sequence 66953, A
13	8.8	11.4	C 48	1	US-10-257-017B-66954	Sequence 66954, A
13	8.8	11.4	49	1	US-10-257-017B-83729	Sequence 83729, A
13	8.8	11.4	C 50	1	US-10-257-017B-83730	Sequence 83730, A
13	8.8	11.4	51	1	US-10-257-017B-85503	Sequence 85503, A
13	8.8	11.4	C 52	1	US-10-257-017B-85504	Sequence 85504, A
13	8.8	11.4	53	1	US-10-257-017B-97197	Sequence 97197, A
13	8.8	11.4	C 54	1	US-10-257-017B-97198	Sequence 97198, A
13	8.8	11.4	55	1	US-10-257-017B-99881	Sequence 99881, A
13	8.8	11.4	C 56	1	US-10-257-017B-99882	Sequence 99882, A
13	8.8	11.4	57	1	US-10-257-017B-136991	Sequence 136991, A
13	8.8	11.4	C 58	1	US-10-257-017B-136992	Sequence 136992, A
13	8.8	11.4	59	1	US-10-257-017B-137373	Sequence 137373, A
13	8.8	11.4	C 60	1	US-10-257-017B-137374	Sequence 137374, A
13	8.8	11.4	61	1	US-10-257-017B-137723	Sequence 137723, A
13	8.8	11.4	C 62	1	US-10-257-017B-137724	Sequence 137724, A
13	8.8	11.4	63	1	US-10-257-017B-138953	Sequence 138953, A
13	8.8	11.4	C 64	1	US-10-257-017B-138954	Sequence 138954, A
13	8.8	11.4	65	1	US-10-257-017B-145723	Sequence 145723, A
13	8.8	11.4	C 66	1	US-10-257-017B-145724	Sequence 145724, A
13	8.8	11.4	67	1	US-10-257-017B-150141	Sequence 150141, A
13	8.8	11.4	C 68	1	US-10-257-017B-150142	Sequence 150142, A
13	8.8	11.4	69	1	US-10-257-017B-151701	Sequence 151701, A
13	8.8	11.4	C 70	1	US-10-257-017B-151702	Sequence 151702, A
13	8.8	11.4	71	1	US-10-257-017B-154357	Sequence 154357, A
13	8.8	11.4	C 72	1	US-10-257-017B-154358	Sequence 154358, A
13	8.8	11.4	73	1	US-10-257-017B-154795	Sequence 154795, A
13	8.8	11.4	C 74	1	US-10-257-017B-154796	Sequence 154796, A
13	8.8	11.4	75	1	US-10-257-017B-161089	Sequence 161089, A
13	8.8	11.4	C 76	1	US-10-257-017B-161090	Sequence 161090, A
13	8.8	11.4	77	1	US-10-257-017B-171583	Sequence 171583, A
13	8.8	11.4	C 78	1	US-10-257-017B-171584	Sequence 171584, A
13	8.8	11.4	79	1	US-10-257-017B-172419	Sequence 172419, A
13	8.8	11.4	C 80	1	US-10-257-017B-172420	Sequence 172420, A
13	8.8	11.4	81	1	US-10-257-017B-173477	Sequence 173477, A
13	8.8	11.4	C 82	1	US-10-257-017B-173478	Sequence 173478, A
13	8.8	11.4	83	1	US-10-257-017B-189805	Sequence 189805, A
13	8.8	11.4	C 84	1	US-10-257-017B-189806	Sequence 189806, A
13	8.8	11.4	85	1	US-10-257-017B-216233	Sequence 216233, A
13	8.8	11.4	C 86	1	US-10-257-017B-216234	Sequence 216234, A
13	8.8	11.4	87	1	US-10-257-017B-216235	Sequence 216235, A
13	8.8	11.4	C 88	1	US-10-257-017B-216236	Sequence 216236, A
13	8.8	11.4	89	1	US-10-257-017B-221379	Sequence 221379, A
13	8.8	11.4	C 90	1	US-10-257-017B-221380	Sequence 221380, A
13	8.8	11.4	91	1	US-10-257-017B-223955	Sequence 223955, A
13	8.8	11.4	C 92	1	US-10-257-017B-223956	Sequence 223956, A
13	8.8	11.4	93	1	US-10-257-017B-231559	Sequence 231559, A
13	8.8	11.4	C 94	1	US-10-257-017B-231560	Sequence 231560, A
13	8.8	11.4	95	1	US-10-257-017B-237019	Sequence 237019, A
13	8.8	11.4	C 96	1	US-10-257-017B-237020	Sequence 237020, A
13	8.8	11.4	97	1	US-10-257-017B-237047	Sequence 237047, A
13	8.8	11.4	C 98	1	US-10-257-017B-237048	Sequence 237048, A
13	8.8	11.4	99	1	US-10-257-017B-237049	Sequence 237049, A
13	8.8	11.4	C 100	1	US-10-257-017B-237050	Sequence 237050, A
11	8.5	11	101	1	US-10-257-017B-268599	Sequence 268599, A
11	8.5	11	102	1	US-10-257-017B-276339	Sequence 276339, A
11	8.5	11	103	1	US-10-257-017B-279373	Sequence 279373, A
11	8.5	11	104	1	US-10-257-017B-282131	Sequence 282131, A
11	8.5	11	105	1	US-10-257-017B-282132	Sequence 282132, A
11	8.5	11	106	1	US-10-257-017B-282391	Sequence 282391, A

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; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112259
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028043
US-10-257-017B-112259

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1408 TGTTAATGATGA 1419
          ||||| |||||
Db       1 TGTTAGTGATGA 12

RESULT 455
US-10-257-017B-112260/c
; Sequence 112260, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 112260
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028043
US-10-257-017B-112260

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1408 TGTTAATGATGA 1419
          ||||| |||||
Db       13 TGTTAGTGATGA 2

RESULT 456
US-10-257-017B-114029/c
; Sequence 114029, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114029

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110757
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027637
US-10-257-017B-110757

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1352 AAGAAAAATATT 1363
          ||||| |||||
Db       1 AAGAAAAATATT 12

RESULT 453
US-10-257-017B-110758/c
; Sequence 110758, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 110758
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0027637
US-10-257-017B-110758

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1352 AAGAAAAATATT 1363
          ||||| |||||
Db       13 AAGAAAAATATT 2

RESULT 454
US-10-257-017B-112259
; Sequence 112259, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin

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; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028539
US-10-257-017B-114029

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 13 AATAAAAAATATT 2

RESULT 457
US-10-257-017B-114030
; Sequence 114030, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 114030
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028844
US-10-257-017B-114030

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AATAAAAAATATT 2

RESULT 458
US-10-257-017B-115143
; Sequence 115143, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115143
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028844
US-10-257-017B-115143

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
Db 1 AATAAAAAATATT 2

RESULT 459
US-10-257-017B-115144/c
; Sequence 115144, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115144
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028844
US-10-257-017B-115144

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATGTTA 1412
Db 1 GTAAAAATGTTA 12

RESULT 460
US-10-257-017B-115349
; Sequence 115349, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115349
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115349

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTTGA 1460
Db 2 AATATGGGTTGA 13

RESULT 461
US-10-257-017B-115350/c
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; Sequence 115350, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 115350
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028921
US-10-257-017B-115350

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1449 AAGATGGGTTGA 1460
||| |||||
Db 12 AATATGGGTGA 1

RESULT 462

US-10-257-017B-116365
; Sequence 116365, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116365
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029134
US-10-257-017B-116365

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1452 ATGGGTTGATCA 1463
||| |||||
Db 2 ATGGGTTGATTA 13

RESULT 463

US-10-257-017B-116366/c
; Sequence 116366, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116366
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029134
US-10-257-017B-116366

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1452 ATGGGTTGATCA 1463
||| |||||
Db 12 ATGGGTTGATTA 1

RESULT 464

US-10-257-017B-116833/c
; Sequence 116833, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116833
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029237
US-10-257-017B-116833

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAAATATCCA 1366
||| |||||
Db 12 AAAAAATATCCA 1

RESULT 465

US-10-257-017B-116834
; Sequence 116834, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 116834
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029237
US-10-257-017B-116834

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCGA 1366
|||||
Db 2 AAAAATATTCGA 13

RESULT 466

US-10-257-017B-117055
; Sequence 117055, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117055
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117055

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTAAA 1405
|||||
Db 1 AAAGGAGGTAAA 12

RESULT 467

US-10-257-017B-117056/c
; Sequence 117056, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117056
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117056

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTAAA 1405
|||||

Db 13 AAAGGAGTAAA 2

RESULT 468

US-10-257-017B-117057
; Sequence 117057, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117057
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117057

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTAAA 1405
|||||
Db 1 AAAGGAGTAAA 12

RESULT 469

US-10-257-017B-117058/c
; Sequence 117058, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 117058
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029297
US-10-257-017B-117058

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1394 AAAGGAGGTAAA 1405
|||||
Db 13 AAAGGAGTAAA 2

RESULT 470

US-10-257-017B-119549
; Sequence 119549, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119549
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029841
US-10-257-017B-119549

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
Db 2 ATATTGTTAATG 13

RESULT 471
US-10-257-017B-119550/c
; Sequence 119550, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 119550
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029841
US-10-257-017B-119550

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
Db 12 ATATTGTTAATG 1

RESULT 472
US-10-257-017B-120329
; Sequence 120329, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 120329
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030029
US-10-257-017B-120329

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAATA 1361
Db 2 GAAAGAAAAATA 13

RESULT 473
US-10-257-017B-120330/c
; Sequence 120330, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 120330
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030029
US-10-257-017B-120330

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAATA 1361
Db 12 GAAAGAAAAATA 1

RESULT 474
US-10-257-017B-122873
; Sequence 122873, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122873
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122873

Query Match      8.0%; Score 10.4; DB 1; Length 13;
```

```
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAAT 1414
    ||||| |||||
Db 1 AAAATTGTTAAAT 12

RESULT 475
US-10-257-017B-122874/c
; Sequence 122874, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122874
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122874

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAAT 1414
    ||||| |||||
Db 13 AAAATTGTTAAAT 2

RESULT 476
US-10-257-017B-122877
; Sequence 122877, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122877
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122877

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAAT 1414
    ||||| |||||
Db 13 AAAATTGTTAAAT 2

RESULT 477
US-10-257-017B-122877
; Sequence 122877, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122877
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122877

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAAT 1414
    ||||| |||||
Db 1 AAAATTGTTAAAT 12
```

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US-10-257-017B-122878/c
; Sequence 122878, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 122878
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030713
US-10-257-017B-122878

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAAT 1414
    ||||| |||||
Db 13 AAAATTGTTAAAT 2

RESULT 478
US-10-257-017B-125127
; Sequence 125127, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 125127
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031262
US-10-257-017B-125127

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
    ||||| |||||
Db 1 ATTGTTAATGAT 12

RESULT 479
US-10-257-017B-125128/c
; Sequence 125128, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 125128
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031262
US-10-257-017B-125128

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGAT 1417
||||| |||||
Db 13 ATTGATAATGAT 2

RESULT 480
US-10-257-017B-126929
; Sequence 126929, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126929
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031761
US-10-257-017B-126929

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
||||| |||||
Db 2 AAATAGTTAATG 13

RESULT 481
US-10-257-017B-126930/c
; Sequence 126930, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 126930
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0031761
US-10-257-017B-126930

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1404 AAATTGTTAATG 1415
||||| |||||
Db 12 AAATAGTTAATG 1

RESULT 482
US-10-257-017B-132023/c
; Sequence 132023, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132023
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032951
US-10-257-017B-132023

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366
||||| |||||
Db 12 AAAAATATTCTA 1

RESULT 483
US-10-257-017B-132024
; Sequence 132024, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132024
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032951
US-10-257-017B-132024

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCCA 1366

[illegible]

[illegible][illegible][illegible]


```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035574
US-10-257-017B-142022

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 12 GGGGAGAAAAA 1

RESULT 498
US-10-257-017B-144935
; Sequence 144935, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144935
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036443
US-10-257-017B-144935

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGTT 1458
Db 1 GGAAGATTGTT 12

RESULT 499
US-10-257-017B-144936/c
; Sequence 144936, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144936
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036443
US-10-257-017B-144936

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAAGATGGTT 1458
Db 1 GGAAGATTGTT 12

RESULT 500
US-10-257-017B-145569
; Sequence 145569, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145569
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036660
US-10-257-017B-145569

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
Db 1 GAGGTAAATTG 12

RESULT 501
US-10-257-017B-145570/c
; Sequence 145570, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 145570
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036660
US-10-257-017B-145570

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
Db 13 GAGGTAAATTG 2

RESULT 502
US-10-257-017B-146343
; Sequence 146343, Application US/10257017B
; GENERAL INFORMATION:
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146343
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036879
US-10-257-017B-146343

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGGTA 1412
Db 2 GTAAATTTGGTA 13

RESULT 503
US-10-257-017B-146344/c
; Sequence 146344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036879
US-10-257-017B-146344

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGGTA 1412
Db 12 GTAAATTTGGTA 1

RESULT 504
US-10-257-017B-146463
; Sequence 146463, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146463
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036932
US-10-257-017B-146463

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAAGAAAAA 13

RESULT 505
US-10-257-017B-146464/c
; Sequence 146464, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 146464
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036932
US-10-257-017B-146464

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 12 GGGGAAGAAAAA 1

RESULT 506
US-10-257-017B-147957
; Sequence 147957, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147957
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037358
US-10-257-017B-147957
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGAGCGATCGT 1384
| | | | | | | | | |
Db 1 ATGAGCGATCGT 12

RESULT 507
US-10-257-017B-147958/c
; Sequence 147958, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147958
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037358
US-10-257-017B-147958

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373 ACGAGCGATCGT 1384
| | | | | | | | | |
Db 13 ATGAGCGATCGT 2

RESULT 508
US-10-257-017B-148003/c
; Sequence 148003, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148003
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037367
US-10-257-017B-148003

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
| | | | | | | | | |
Db 13 AAAAATTTTCCA 2
```

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RESULT 509
US-10-257-017B-148004
; Sequence 148004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148004
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037367
US-10-257-017B-148004

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
| | | | | | | | | |
Db 1 AAAAATTTTCCA 12

RESULT 510
US-10-257-017B-148005/c
; Sequence 148005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037367
US-10-257-017B-148005

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
| | | | | | | | | |
Db 13 AAAAATTTTCCA 2

RESULT 511
US-10-257-017B-148006
; Sequence 148006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037367
US-10-257-017B-148006

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATCTTCCA 1366
Db 1 AAAAATCTTCCA 12

RESULT 512
US-10-257-017B-149825
; Sequence 149825, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149825
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037804
US-10-257-017B-149825

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTAAT 1414
Db 1 AAAGTTGTTAAT 12

RESULT 513
US-10-257-017B-149826/c
; Sequence 149826, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149826
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037804
US-10-257-017B-149826/c

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAATTT 1408
Db 1 GGAGGTAAATTT 12

RESULT 515
US-10-257-017B-149884/c
; Sequence 149884, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149884
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037822
US-10-257-017B-149884

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAATTT 1408
Db 1 GGAGGTAAATTT 12

RESULT 515
US-10-257-017B-149884/c
; Sequence 149884, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 149884
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037822
US-10-257-017B-149884

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1397 GGAGGTAAATTT 1408
Db 13 GGAGGTAGATTT 2

RESULT 516
US-10-257-017B-150061
; Sequence 150061, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150061
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037873
US-10-257-017B-150061

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 1 GTAAATTTTITA 12

RESULT 517
US-10-257-017B-150062/c
; Sequence 150062, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150062
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037873
US-10-257-017B-150062

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTTGTTA 1412
Db 13 GTAAATTTTITA 2

RESULT 518
US-10-257-017B-150203/c
; Sequence 150203, Application US/10257017B
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150203
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037911
US-10-257-017B-150203

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 13 AAAAATATTACA 2

RESULT 519
US-10-257-017B-150204
; Sequence 150204, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150204
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037911
US-10-257-017B-150204

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCA 1366
Db 1 AAAAATATTACA 12

RESULT 520
US-10-257-017B-150693/c
; Sequence 150693, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
```

US-10-257-017B-150694
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150693
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038026
US-10-257-017B-150693

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CACACATATACA 1445
DB 13 CACACATATACA 2

RESULT 521
US-10-257-017B-150694
; Sequence 150694, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 150694
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038026
US-10-257-017B-150694

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CACACATATACA 1445
DB 1 CACACATATACA 12

RESULT 522
US-10-257-017B-151927/c
; Sequence 151927, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151927
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038388

US-10-257-017B-151927

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
DB 13 AAAAAAATATTC 2

RESULT 523
US-10-257-017B-151928
; Sequence 151928, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 151928
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038398
US-10-257-017B-151928

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1353 AGAAAAATATTC 1364
DB 1 AAAAAAATATTC 12

RESULT 524
US-10-257-017B-152249
; Sequence 152249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152249
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038467
US-10-257-017B-152249

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTTAATGATGA 1419
DB 1 TGTTAATGATGA 12

```

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152798
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038616
US-10-257-017B-152798

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTAAT 2

RESULT 528
US-10-257-017B-153537
; Sequence 153537, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153537
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038815
US-10-257-017B-153537

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1448 GAAGATGGTTG 1459
Db 2 GAAGATGGTTG 13

RESULT 529
US-10-257-017B-153538/c
; Sequence 153538, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153538

; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152797
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038467
US-10-257-017B-152797

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGA 1419
Db 13 TGTAAATGTTGA 2

RESULT 526
US-10-257-017B-152797
; Sequence 152797, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 152797
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038616
US-10-257-017B-152797

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 1 AAAATTGTTAAT 12

RESULT 527
US-10-257-017B-152798/c
; Sequence 152798, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038815
US-10-257-017B-153538

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1448 GAAGATGGTTG 1459
Db 12 GAAGATGGTTG 1

RESULT 530
US-10-257-017B-153905/c
; Sequence 153905, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153905
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038907
US-10-257-017B-153905

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATCCA 1366
Db 12 AAAAATATTACA 1

RESULT 531
US-10-257-017B-153906
; Sequence 153906, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 153906
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038907
US-10-257-017B-153906

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATCCA 1366
Db 2 AAAAATATTACA 13

RESULT 532
US-10-257-017B-158573
; Sequence 158573, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158573
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158573

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAATGTTAA 1413
Db 1 TAAAATGTTAA 12

RESULT 533
US-10-257-017B-158574/c
; Sequence 158574, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158574
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158574

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAAATGTTAA 1413
Db 13 TAAAATGTTAA 2

RESULT 534
US-10-257-017B-158577
```


; Sequence 158577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158577

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATGTTAA 1413
|||||
Db 1 TAAATCGTTAA 12

RESULT 535

US-10-257-017B-158578/c
; Sequence 158578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 158578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039915
US-10-257-017B-158578

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATGTTAA 1413
|||||
Db 13 TAAATCGTTAA 2

RESULT 536

US-10-257-017B-160677
; Sequence 160677, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160677
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040462
US-10-257-017B-160677

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1405 AATTGTTAATGA 1416
|||||
Db 2 AATTGTTAAGA 13

RESULT 537

US-10-257-017B-160678/c
; Sequence 160678, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 160678
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040462
US-10-257-017B-160678

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1405 AATTGTTAATGA 1416
|||||
Db 12 AATTGTTAAGA 1

RESULT 538

US-10-257-017B-161201/c
; Sequence 161201, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161201
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040584
US-10-257-017B-161201

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445

DB 12 CACACATATACA 1

RESULT 539

US-10-257-017B-161202
; Sequence 161202, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161202
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040584
US-10-257-017B-161202

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1434 CAGACATATACA 1445

DB 2 CACACATATACA 13

RESULT 540

US-10-257-017B-165193
; Sequence 165193, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165193
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041433
US-10-257-017B-165193

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAGATGGGT 1458

|||||

DB 2 GGAAAATGGGT 13

RESULT 541

US-10-257-017B-165194/c
; Sequence 165194, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165194
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041433
US-10-257-017B-165194

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1447 GGAGATGGGT 1458

DB 12 GGAAAATGGGT 1

RESULT 542

US-10-257-017B-165707
; Sequence 165707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041557
US-10-257-017B-165707

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGGAGATGGGT 1457

DB 2 TGAAGATGGGT 13

RESULT 543

US-10-257-017B-165708/c
; Sequence 165708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 165708
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041557
US-10-257-017B-165708

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TGAAGATGGGT 1457
DB 12 TGAAGATGGGT 1

RESULT 544
US-10-257-017B-170191/c
/ Sequence 170191, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 170191
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042491
US-10-257-017B-170191

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
DB 13 AAACATATACAT 2

RESULT 545
US-10-257-017B-170192
/ Sequence 170192, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
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/ SEQ ID NO 170192
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042491
US-10-257-017B-170192

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1435 AGACATATACAT 1446
DB 1 AAACATATACAT 12

RESULT 546
US-10-257-017B-170635
/ Sequence 170635, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 170635
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042571
US-10-257-017B-170635

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1441 ATACATGGAAGA 1452
DB 2 ATAAATGGAAGA 13

RESULT 547
US-10-257-017B-170636/c
/ Sequence 170636, Application US/10257017B
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 170636
/ LENGTH: 13
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042571
US-10-257-017B-170636

Query Match      8.0%; Score 10.4; DB 1; Length 13;
```

```
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1441 ATACATGGAAGA 1452
Db 12 ATAAATGGAAGA 1

RESULT 548
US-10-257-017B-170731/c
; Sequence 170731, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170731
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042589
US-10-257-017B-170731

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAGCAATA 1471
Db 12 ATCAGCAATA 1

RESULT 549
US-10-257-017B-170732
; Sequence 170732, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170732
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042589
US-10-257-017B-170732

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAGCAATA 1471
Db 12 ATCAGCAATA 13

RESULT 550
US-10-257-017B-170732
; Sequence 170732, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 170732
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042589
US-10-257-017B-170732

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAGCAATA 1471
Db 2 ATCAGCAATA 13

RESULT 551
US-10-257-017B-171860
; Sequence 171860, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171860
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171860

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
Db 12 TAAATTTGTTAA 1

RESULT 552
US-10-257-017B-171860
; Sequence 171860, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171860
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-171860

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
Db 2 TAAATTTGTTAA 13

RESULT 553
US-10-257-017B-172945
; Sequence 172945, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172945
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042837
US-10-257-017B-172945

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTTAA 1413
Db 2 TAAATTTGTTAA 13
```

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172945
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043092
US-10-257-017B-172945

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATT 1363
|||||
Db 2 AAGATAATATT 13

RESULT 553

US-10-257-017B-172946/c
; Sequence 172946, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172946
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043092
US-10-257-017B-172946

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATATT 1363
|||||
Db 12 AAGATAATATT 1

RESULT 554

US-10-257-017B-173473/c
; Sequence 173473, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173473
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173473

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATCCAC 1367
|||||
Db 13 AAAATATCCAC 2

RESULT 555

US-10-257-017B-173474
; Sequence 173474, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173474
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043213
US-10-257-017B-173474

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATCCAC 1367
|||||
Db 1 AAAATATCCAC 12

RESULT 556

US-10-257-017B-176213
; Sequence 176213, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176213
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010154
US-10-257-017B-176213

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTAAAT 1414

```
Db      1 AGAATTGTTAAT 12
|||||
RESULT 557
US-10-257-017B-176214/c
; Sequence 176214, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 176214
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0010154
US-10-257-017B-176214
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1403 AAAATTGTTAAT 1414
|||||
Db      13 AAGATTGTTAAT 2

RESULT 560
US-10-257-017B-182703
; Sequence 182703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182703
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045152
US-10-257-017B-182703
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1407 TTGTTAATGATG 1418
|||||
Db      1 TTGTTAATGAAG 12

RESULT 561
US-10-257-017B-182704/c
; Sequence 182704, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 180953
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0044779
US-10-257-017B-180953
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1403 AAAATTGTTAAT 1414
|||||
Db      1 AAGATTGTTAAT 12

RESULT 559
US-10-257-017B-180954/c
; Sequence 180954, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045152
US-10-257-017B-182704

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
| | | | | | | | | | | | |
Db 13 TTGTTAATGAAG 2

RESULT 562

US-10-257-017B-182831
; Sequence 182831, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182831
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045175
US-10-257-017B-182831

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
| | | | | | | | | | | | |
Db 1 ATTGTTAATGTT 12

RESULT 563

US-10-257-017B-182832/c
; Sequence 182832, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 182832
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045175
US-10-257-017B-182832

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1406 ATTGTTAATGAT 1417
| | | | | | | | | | | | |
Db 13 ATTGTTAATGTT 2

RESULT 564

US-10-257-017B-188263
; Sequence 188263, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188263
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046354
US-10-257-017B-188263

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
| | | | | | | | | | | | |
Db 1 AATAAAAAATATT 12

RESULT 565

US-10-257-017B-188264/c
; Sequence 188264, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188264
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046354
US-10-257-017B-188264

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
| | | | | | | | | | | | |
Db 13 AATAAAAAATATT 2

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RESULT 566
US-10-257-017B-188597/c
; Sequence 188597, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188597
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046437
US-10-257-017B-188597

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AACAAATATT 1363
Db 13 AACAAATATT 2

RESULT 567
US-10-257-017B-188598
; Sequence 188598, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 188598
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046437
US-10-257-017B-188598

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AACAAATATT 1363
Db 13 AACAAATATT 12

RESULT 568
US-10-257-017B-189801/c
; Sequence 189801, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

```
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189801
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189801

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
Db 13 ACAATATTCAC 2

RESULT 569
US-10-257-017B-189802
; Sequence 189802, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189802
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046704
US-10-257-017B-189802

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
Db 13 ACAATATTCAC 12

RESULT 570
US-10-257-017B-190889
; Sequence 190889, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190889
; LENGTH: 13
; TYPE: DNA
```



```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046952
US-10-257-017B-190889

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
Db 1 TTGTTGATGATG 12

RESULT 571
US-10-257-017B-190890/c
; Sequence 190890, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257.017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 190890
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047056
US-10-257-017B-190890

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
Db 13 TTGTTGATGATG 2

RESULT 572
US-10-257-017B-191283
; Sequence 191283, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257.017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191283
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047056
US-10-257-017B-191283

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
Db 13 TTGTTGATGATG 2

RESULT 573
US-10-257-017B-191284/c
; Sequence 191284, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257.017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191284
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047056
US-10-257-017B-191284

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGGTT 1458
Db 2 GGAAGATGGGTT 13

RESULT 574
US-10-257-017B-191357/c
; Sequence 191357, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257.017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191357
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047086
US-10-257-017B-191357

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1359 ATATTCCACGCA 1370
Db 13 ATATTCCACCCA 2

RESULT 575
US-10-257-017B-191358
; Sequence 191358, Application US/10257017B
; GENERAL INFORMATION:
```

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191358
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047086
US-10-257-017B-191358

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1359 ATATTCACGCA 1370
Db 1 ATATTCACCCA 12

RESULT 576
US-10-257-017B-191755
; Sequence 191755, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191755
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047176
US-10-257-017B-191755

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 1 TTATTAATGATG 12

RESULT 577
US-10-257-017B-191756/c
; Sequence 191756, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191756
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047176
US-10-257-017B-191756
```

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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191756
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047176
US-10-257-017B-191756

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
Db 13 TTATTAATGATG 2

RESULT 578
US-10-257-017B-191895
; Sequence 191895, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191895
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047217
US-10-257-017B-191895

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1446 TCGAAGATCGGT 1457
Db 2 TCGAAGATCGGT 13

RESULT 579
US-10-257-017B-191896/c
; Sequence 191896, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 191896
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047217
US-10-257-017B-191896
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1446 TGAAGATGGGT 1457
Db 12 TGAAGATGGTT 1

RESULT 580
US-10-257-017B-193277/c
; Sequence 193277, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193277
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047551
US-10-257-017B-193277

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1364
Db 12 AAAAAAATATTC 1

RESULT 581
US-10-257-017B-193278
; Sequence 193278, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 193278
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047551
US-10-257-017B-193278

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1353 AGAAAAATATTC 1364
Db 2 AAAAAAATATTC 13
```

```
RESULT 582
US-10-257-017B-196025/c
; Sequence 196025, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196025
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048226
US-10-257-017B-196025

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATTT 1363
Db 12 AATAAAAAATATT 1

RESULT 583
US-10-257-017B-196026
; Sequence 196026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 196026
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048226
US-10-257-017B-196026

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATTT 1363
Db 2 AATAAAAAATATT 13

RESULT 584
US-10-257-017B-197451
; Sequence 197451, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197451
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048601
US-10-257-017B-197451

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGA 1419
| | | | | | | | | | | | | | |
Db 1 TTTTAATGATGA 12

RESULT 585
US-10-257-017B-197452/c
; Sequence 197452, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197452
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048601
US-10-257-017B-197452

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGA 1419
| | | | | | | | | | | | | | |
Db 1 TTTTAATGATGA 2

RESULT 586
US-10-257-017B-197645/c
; Sequence 197645, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197645
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005726
US-10-257-017B-197645

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
| | | | | | | | | | | | | | |
Db 13 TAAATTTATTA 2

RESULT 587
US-10-257-017B-197646
; Sequence 197646, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 197646
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005726
US-10-257-017B-197646

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTTAA 1413
| | | | | | | | | | | | | | |
Db 1 TAAATTTATTA 12

RESULT 588
US-10-257-017B-198423/c
; Sequence 198423, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198423
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008139
US-10-257-017B-198423

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy 1355 AAAAATATTCAC 1366
Db 12 AAAAATATTACA 1

RESULT 589
US-10-257-017B-198424
; Sequence 198424, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 198424
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008139
US-10-257-017B-198424

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATTCAC 1366
Db 2 AAAAATATTACA 13

RESULT 590
US-10-257-017B-200895/c
; Sequence 200895, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200895
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049427
US-10-257-017B-200895

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1365 CACGCATCACGA 1376
Db 13 CACGCATCTACTA 2

RESULT 591
US-10-257-017B-200896
; Sequence 200896, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 200896
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049427
US-10-257-017B-200896

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1365 CACGCATCACGA 1376
Db 1 CACGCATCTACTA 12

RESULT 592
US-10-257-017B-203099
; Sequence 203099, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203099
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049882
US-10-257-017B-203099

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTTAT 1414
Db 1 AAAATTGTTATT 12

RESULT 593
US-10-257-017B-203100/c
; Sequence 203100, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 203099
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049882
US-10-257-017B-203099

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
US-10-257-017B-205660
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1392 TCAAAGGAGGTA 1403
Db 13 TAAAGGAGGTA 2

RESULT 596
US-10-257-017B-206951
; Sequence 206951, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206951
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050640
US-10-257-017B-206951
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 2 AAAATTGATAAT 13

RESULT 597
US-10-257-017B-206952/c
; Sequence 206952, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 206952
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050640
US-10-257-017B-206952
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 12 AAAATTGATAAT 1

US-10-257-017B-205659
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1403 AAAATTGTTAAT 1414
Db 13 AAAATTGTTAAT 2

RESULT 594
US-10-257-017B-205659
; Sequence 205659, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 205659
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050412
US-10-257-017B-205659
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1392 TCAAAGGAGGTA 1403
Db 1 TAAAGGAGGTA 12

RESULT 595
US-10-257-017B-205660/c
; Sequence 205660, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 205660
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0050412
```

```
RESULT 598
US-10-257-017B-207425
; Sequence 207425, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207425
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531
US-10-257-017B-207425

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAAGAAAAA 13

RESULT 599
US-10-257-017B-207426/c
; Sequence 207426, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 207426
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531
US-10-257-017B-207426

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAAAA 1359
Db 2 GGGGAAGAAAAA 13

RESULT 600
US-10-257-017B-210185
; Sequence 210185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 210185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051322
US-10-257-017B-210185

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
Db 2 GAGGTAAATTG 13

RESULT 601
US-10-257-017B-210186/c
; Sequence 210186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 210186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051322
US-10-257-017B-210186

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1398 GAGGTAAATTG 1409
Db 12 GAGGTAAATTG 1

RESULT 602
US-10-257-017B-213077
; Sequence 213077, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213077
```

```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051905
US-10-257-017B-213077

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTTAAA 1406
    |||||
Db 1 AAGGAGGTTAAA 12

RESULT 603
US-10-257-017B-213078/c
; Sequence 213078, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 213078
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051905
US-10-257-017B-213078

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTTAAA 1406
    |||||
Db 13 AAGGAGGTTAAA 2

RESULT 604
US-10-257-017B-214399
; Sequence 214399, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 214399
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052153
US-10-257-017B-214399

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1395 AAGGAGGTTAAA 1406
    |||||
Db 13 AAGGAGGTTAAA 2

RESULT 605
US-10-257-017B-214400/c
; Sequence 214400, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 214400
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052153
US-10-257-017B-214400

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
    |||||
Db 13 AAGAAAAATATT 2

RESULT 606
US-10-257-017B-216849
; Sequence 216849, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216849
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052703
US-10-257-017B-216849

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
    |||||
Db 2 TTATTAATGATG 13

RESULT 607
US-10-257-017B-216850/c
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; Sequence 216950, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 216950
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052703
US-10-257-017B-216950

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1407 TTGTTAATGATG 1418
DB 12 TTATTAATGATG 1

RESULT 608
US-10-257-017B-217343
; Sequence 217343, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217343
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052841
US-10-257-017B-217343

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAA 1359
DB 2 GGGGAGAGAAAA 13

RESULT 609
US-10-257-017B-217344/C
; Sequence 217344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052841
US-10-257-017B-217344
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217344
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052841
US-10-257-017B-217344

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1348 GGGGAGAGAAAA 1359
DB 12 GGGGAGAGAAAA 1

RESULT 610
US-10-257-017B-217383
; Sequence 217383, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217383
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052861
US-10-257-017B-217383

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1402 TAAATTTGTAA 1413
DB 2 TAAATTTGTAA 13

RESULT 611
US-10-257-017B-217384/C
; Sequence 217384, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217384
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052861
US-10-257-017B-217384

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1402 TAAATGTTAA 1413
|||||
Db 12 TAAATGTTA 1

RESULT 612
US-10-257-017B-220057
; Sequence 220057, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220057
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053544
US-10-257-017B-220057

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1453 TGGGTTGATCAA 1464
|||||
Db 1 TGGGTTGATGAA 12

RESULT 613
US-10-257-017B-220058/c
; Sequence 220058, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220058
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053544
US-10-257-017B-220058

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1453 TGGGTTGATCAA 1464
|||||

Db 13 TGGGTTGATGAA 2

RESULT 614
US-10-257-017B-220169
; Sequence 220169, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220169
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053577
US-10-257-017B-220169

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1395 AAGGAGGTAAAA 1406
|||||
Db 1 AAGGAGGTAAAA 12

RESULT 615
US-10-257-017B-220170/c
; Sequence 220170, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220170
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053577
US-10-257-017B-220170

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1395 AAGGAGGTAAAA 1406
|||||
Db 13 AAGGAGGTAAAA 2

RESULT 616
US-10-257-017B-220461
; Sequence 220461, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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Wed Apr 7 08:00:51 2004

```
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220461
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053650
US-10-257-017B-220461

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGAT 1417
Db 1 ATTTTAAATGAT 12

RESULT 617
US-10-257-017B-220462/c
; Sequence 220462, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 220462
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053650
US-10-257-017B-220462

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1406 ATTGTTAATGAT 1417
Db 13 ATTTTAAATGAT 2

RESULT 618
US-10-257-017B-222435/c
; Sequence 222435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

```
; SEQ ID NO 222435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054123
US-10-257-017B-222435

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1434 CACACATATACA 1445
Db 12 CACACATATACA 1

RESULT 619
US-10-257-017B-222436
; Sequence 222436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054123
US-10-257-017B-222436

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1434 CACACATATACA 1445
Db 2 CACACATATACA 13

RESULT 620
US-10-257-017B-222533
; Sequence 222533, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222533
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054144
US-10-257-017B-222533

Query Match      8.0%; Score 10.4; DB 1; Length 13;
```

Best Local Similarity 91.7%; Pred. No. 8.4e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 1;

QY 1399 AGGTAAATTTGT 1410
| | | | | | | | | |
DB 2 AGGTAATATTGT 13

RESULT 621

US-10-257-017B-222534/c
; Sequence 222534, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222534
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054144
US-10-257-017B-222534

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1399 AGGTAAATTTGT 1410
| | | | | | | | | |
DB 12 AGGTAATATTGT 1

RESULT 622

US-10-257-017B-223367
; Sequence 223367, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223367
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054387
US-10-257-017B-223367

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGA 1419
| | | | | | | | | |
DB 2 TATTAATGATGA 13

RESULT 623

US-10-257-017B-223368/c
; Sequence 223368, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223368
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054387
US-10-257-017B-223368

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1408 TGTAAATGATGA 1419
| | | | | | | | | |
DB 12 TATTAATGATGA 1

RESULT 624

US-10-257-017B-223879/c
; Sequence 223879, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223879
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054529
US-10-257-017B-223879

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
| | | | | | | | | |
DB 12 AAAAAAATATT 1

RESULT 625

US-10-257-017B-223880
; Sequence 223880, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223880
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054529
US-10-257-017B-223880

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
||| |||||
Db 2 AAAAAATATT 13

RESULT 626

US-10-257-017B-227295
; Sequence 227295, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227295
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055447
US-10-257-017B-227295

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
||| |||||
Db 1 AAAAAATATT 12

RESULT 627

US-10-257-017B-227296/c
; Sequence 227296, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 227296
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055447
US-10-257-017B-227296

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATATT 1363
||| |||||
Db 13 AAAAAATATT 2

RESULT 628

US-10-257-017B-228139
; Sequence 228139, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228139
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055636
US-10-257-017B-228139

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
||| |||||
Db 2 TTGTTAATGATG 13

RESULT 629

US-10-257-017B-228140/c
; Sequence 228140, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228140
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055636
US-10-257-017B-228140

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418

```
Db      12 TTGTTAGTATG 1
|||||
RESULT 630
US-10-257-017B-228211/c
; Sequence 228211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/MO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004626
US-10-257-017B-228211

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1353 AGAAAAATATTC 1364
Db      13 AAAAAAATATTC 2
|||||

RESULT 631
US-10-257-017B-228212
; Sequence 228212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/MO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228212
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004626
US-10-257-017B-228212

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1353 AGAAAAATATTC 1364
Db      13 AAAAAAATATTC 2
|||||

RESULT 632
US-10-257-017B-228215/c
; Sequence 228215, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/MO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228215
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004626
US-10-257-017B-228215

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1353 AGAAAAATATTC 1364
Db      1 AAAAAAATATTC 12
|||||

RESULT 633
US-10-257-017B-228216
; Sequence 228216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/MO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228216
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004626
US-10-257-017B-228216

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1353 AGAAAAATATTC 1364
Db      1 AAAAAAATATTC 12
|||||

RESULT 634
US-10-257-017B-228567
; Sequence 228567, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/MO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228567
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00004626
US-10-257-017B-228567

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1353 AGAAAAATATTC 1364
Db      1 AAAAAAATATTC 12
|||||
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228567
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055748
US-10-257-017B-228567

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAAAT 1407
||| |||||
Db 2 AGTAGGTAAAT 13

RESULT 635

US-10-257-017B-228568/c
; Sequence 228568, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228568
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055748
US-10-257-017B-228568

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAAAT 1407
||| |||||
Db 12 AGTAGGTAAAT 1

RESULT 636

US-10-257-017B-232255
; Sequence 232255, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232255
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056652
US-10-257-017B-232255

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
||| |||||
Db 1 TTGATAATGATG 12

RESULT 637

US-10-257-017B-232256/c
; Sequence 232256, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 232256
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0056652
US-10-257-017B-232256

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGATG 1418
||| |||||
Db 13 TTGATAATGATG 2

RESULT 638

US-10-257-017B-234847
; Sequence 234847, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234847
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057330
US-10-257-017B-234847

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGTTA 1412
||| |||||
Db 2 GTAAATGTTA 13

RESULT 639

US-10-257-017B-234848/c
; Sequence 234848, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 234848
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057330
US-10-257-017B-234848

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATATGTTA 1412

Db 12 GTAAATATGTTA 1

RESULT 640

US-10-257-017B-236639/c
; Sequence 236639, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236639
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057760
US-10-257-017B-236639

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCTCA 1366

Db 12 AAAAATATTCCTCA 1

RESULT 641

US-10-257-017B-236640
; Sequence 236640, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236640
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057760
US-10-257-017B-236640

FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 236640
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057760
US-10-257-017B-236640

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCCTCA 1366

Db 2 AAAAATATTCCTCA 13

RESULT 642

US-10-257-017B-239413
; Sequence 239413, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239413
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058397
US-10-257-017B-239413

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362

Db 1 GAAGAAAAATAT 12

RESULT 643

US-10-257-017B-239414/c
; Sequence 239414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 239414
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058397
US-10-257-017B-239414

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058397
US-10-257-017B-239414

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAAATAT 1362
| | | | | | | | | | | | | | |
Db 13 GAAGAAAAGAT 2

RESULT 644
US-10-257-017B-241817/c
; Sequence 241817, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241817
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058966
US-10-257-017B-241817

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1356 AAAATATTCAC 1367
| | | | | | | | | | | | | | |
Db 13 AAAATATTCAC 2

RESULT 645
US-10-257-017B-241818
; Sequence 241818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 241818
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0058966
US-10-257-017B-241818

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1356 AAAATATTCAC 1367
| | | | | | | | | | | | | | |
Db 1 AAAATATTCAC 12

RESULT 646
US-10-257-017B-242609
; Sequence 242609, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 242609
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059184
US-10-257-017B-242609

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1349 GGAAGAAAAAT 1360
| | | | | | | | | | | | | | |
Db 1 GGAAGAAAAAT 12

RESULT 647
US-10-257-017B-242610/c
; Sequence 242610, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 242610
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059184
US-10-257-017B-242610

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1349 GGAAGAAAAAT 1360
| | | | | | | | | | | | | | |
Db 13 GGAAGAAAAAT 2

RESULT 648
US-10-257-017B-245005
; Sequence 245005, Application US/10257017B
; GENERAL INFORMATION:

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; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059825
US-10-257-017B-245005

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTGTTA 1412
Db      ||||| |||||
        2 GTAAATTGTTA 13

RESULT 649
US-10-257-017B-245006/c
; Sequence 245006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059825
US-10-257-017B-245006

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAATTGTTA 1412
Db      ||||| |||||
        12 GTAAATTGTTA 1

RESULT 650
US-10-257-017B-245485
; Sequence 245485, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
```

```
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245485
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245485

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAGATT 1408
Db      ||||| |||||
        2 GGAGGTAAGATT 13

RESULT 651
US-10-257-017B-245486/c
; Sequence 245486, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245486
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245486

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAGATT 1408
Db      ||||| |||||
        12 GGAGGTAAGATT 1

RESULT 652
US-10-257-017B-245489
; Sequence 245489, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245489
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245489
```

```
Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408
DB 2 GGAGGTAAATTT 13

RESULT 653
US-10-257-017B-245490/c
; Sequence 245490, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 245490
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0059938
US-10-257-017B-245490

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGGTAAATTT 1408
DB 12 GGAGGTAAATTT 1

RESULT 654
US-10-257-017B-246527/c
; Sequence 246527, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246527
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008909
US-10-257-017B-246527

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
DB 13 AAAAATATTCAC 2

RESULT 657
US-10-257-017B-250616
; Sequence 250616, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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RESULT 655
US-10-257-017B-246528
; Sequence 246528, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 246528
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0008909
US-10-257-017B-246528

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTCAC 1366
DB 1 AAAAATATTCAC 12

RESULT 656
US-10-257-017B-250615/c
; Sequence 250615, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250615
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061196
US-10-257-017B-250615

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
DB 13 AAAATATTCAC 2

RESULT 657
US-10-257-017B-250616
; Sequence 250616, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 250616
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061196
US-10-257-017B-250616

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1356 AAATATTCAC 1367
| | | | | | | | | | | | | | |
Db 1 AAATATTCAC 12

RESULT 658
US-10-257-017B-252635
; Sequence 252635, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252635
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061629
US-10-257-017B-252635

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GGTAATTTGTT 1411
| | | | | | | | | | | | | | |
Db 1 GGTAATTTGTT 12

RESULT 659
US-10-257-017B-252636/c
; Sequence 252636, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 252636
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0061629
US-10-257-017B-252636

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GGTAATTTGTT 1411
| | | | | | | | | | | | | | |
Db 13 GGTAATTTGTT 2

RESULT 660
US-10-257-017B-253487/c
; Sequence 253487, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 253487
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007617
US-10-257-017B-253487

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1365 CACGCATCACA 1376
| | | | | | | | | | | | | | |
Db 12 CACGCATCACA 1

RESULT 661
US-10-257-017B-253488
; Sequence 253488, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 253488
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007617
US-10-257-017B-253488

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1365	CACGCATCACA	1376
Db	2	CACGCATCACTA	13
RESULT 662			
US-10-257-017B-257657/c			
; Sequence 257657, Application US/10257017B			
; GENERAL INFORMATION:			
; APPLICANT: Alexander Olek			
; APPLICANT: Kurt Berlin			
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine			
; FILE REFERENCE: E01/1193/WO			
; CURRENT APPLICATION NUMBER: US/10/257,017B			
; CURRENT FILING DATE: 2002-10-07			
; PRIOR APPLICATION NUMBER: DE 10019173.8			
; PRIOR FILING DATE: 2000-04-07			
; NUMBER OF SEQ ID NOS: 382046			
; SEQ ID NO 257657			
; LENGTH: 13			
; TYPE: DNA			
; ORGANISM: Artificial Sequence			
; FEATURE:			
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062680			
US-10-257-017B-257657			
Query Match			
Best Local Similarity 8.0%; Score 10.4; DB 1; Length 13;			
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
QY	1355	AAAAATATTCCA	1366
Db	12	AATAATATTCTA	1
RESULT 663			
US-10-257-017B-257658			
; Sequence 257658, Application US/10257017B			
; GENERAL INFORMATION:			
; APPLICANT: Alexander Olek			
; APPLICANT: Kurt Berlin			
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine			
; FILE REFERENCE: E01/1193/WO			
; CURRENT APPLICATION NUMBER: US/10/257,017B			
; CURRENT FILING DATE: 2002-10-07			
; PRIOR APPLICATION NUMBER: DE 10019173.8			
; PRIOR FILING DATE: 2000-04-07			
; NUMBER OF SEQ ID NOS: 382046			
; SEQ ID NO 257658			
; LENGTH: 13			
; TYPE: DNA			
; ORGANISM: Artificial Sequence			
; FEATURE:			
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062680			
US-10-257-017B-257658			
Query Match			
Best Local Similarity 8.0%; Score 10.4; DB 1; Length 13;			
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
QY	1355	AAAAATATTCCA	1366
Db	2	AATAATATTCTA	13
RESULT 664			
US-10-257-017B-258853/c			
; Sequence 258853, Application US/10257017B			
; GENERAL INFORMATION:			
; APPLICANT: Alexander Olek			
; APPLICANT: Kurt Berlin			
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine			
; FILE REFERENCE: E01/1193/WO			
; CURRENT APPLICATION NUMBER: US/10/257,017B			
; CURRENT FILING DATE: 2002-10-07			
; PRIOR APPLICATION NUMBER: DE 10019173.8			
; PRIOR FILING DATE: 2000-04-07			
; NUMBER OF SEQ ID NOS: 382046			
; SEQ ID NO 258853			
; LENGTH: 13			
; TYPE: DNA			
; ORGANISM: Artificial Sequence			
; FEATURE:			
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062910			
US-10-257-017B-258853			
Query Match			
Best Local Similarity 8.0%; Score 10.4; DB 1; Length 13;			
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
QY	1355	AAAAATATTCCA	1366
Db	2	AAAAATATTCTA	13
RESULT 665			
US-10-257-017B-258854			
; Sequence 258854, Application US/10257017B			
; GENERAL INFORMATION:			
; APPLICANT: Alexander Olek			
; APPLICANT: Kurt Berlin			
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine			
; FILE REFERENCE: E01/1193/WO			
; CURRENT APPLICATION NUMBER: US/10/257,017B			
; CURRENT FILING DATE: 2002-10-07			
; PRIOR APPLICATION NUMBER: DE 10019173.8			
; PRIOR FILING DATE: 2000-04-07			
; NUMBER OF SEQ ID NOS: 382046			
; SEQ ID NO 258854			
; LENGTH: 13			
; TYPE: DNA			
; ORGANISM: Artificial Sequence			
; FEATURE:			
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062910			
US-10-257-017B-258854			
Query Match			
Best Local Similarity 8.0%; Score 10.4; DB 1; Length 13;			
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
QY	1355	AAAAATATTCCA	1366
Db	2	AAAAATATTCTA	13
RESULT 666			
US-10-257-017B-259005			
; Sequence 259005, Application US/10257017B			
; GENERAL INFORMATION:			
; APPLICANT: Alexander Olek			
; APPLICANT: Kurt Berlin			
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine			
; FILE REFERENCE: E01/1193/WO			
; CURRENT APPLICATION NUMBER: US/10/257,017B			
; CURRENT FILING DATE: 2002-10-07			

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062939
US-10-257-017B-259005

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGTAAA 1358
DB 2 AGGGGAAGTAAA 13

RESULT 667
US-10-257-017B-259006/c
; Sequence 259006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0062939
US-10-257-017B-259006

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGTAAA 1358
DB 12 AGGGGAAGTAAA 1

RESULT 668
US-10-257-017B-259969
; Sequence 259969, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259969
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063118
US-10-257-017B-259969

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1347 AGGGGAAGTAAA 1450
DB 1 ATATATATGGAA 12

RESULT 669
US-10-257-017B-259970/c
; Sequence 259970, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259970
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063118
US-10-257-017B-259970

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
DB 13 ATATATATGGAA 2

RESULT 670
US-10-257-017B-259973
; Sequence 259973, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 259973
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063118
US-10-257-017B-259973

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1439 ATATACATGGAA 1450
DB 1 ATATACATGGAA 12
```


; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC006237
US-10-257-017B-260274

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1396 AGGAGGTAAAT 1407
||| |||||
Db 12 AGGATGTAAAT 1

RESULT 676

US-10-257-017B-262883/c
; Sequence 262883, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262883
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063773
US-10-257-017B-262883

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1355 AAAAATATCCCA 1366
||| |||||
Db 12 AAAAATATCCCA 1

RESULT 677

US-10-257-017B-262884
; Sequence 262884, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 262884
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063773
US-10-257-017B-262884

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1355 AAAAATATCCCA 1366
||| |||||
Db 2 AAAAATATCCCA 13

RESULT 678

US-10-257-017B-263359/c
; Sequence 263359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 263359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063865
US-10-257-017B-263359

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAAGCAATA 1471
||| |||||
Db 13 ATCAAGCAATA 2

RESULT 679

US-10-257-017B-263360
; Sequence 263360, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 263360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0063865
US-10-257-017B-263360

Query Match 8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1460 ATCAAGCAATA 1471
||| |||||
Db 1 ATCAAGCAATA 12

RESULT 680

US-10-257-017B-264565


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; Sequence 264565, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 264565
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064134
US-10-257-017B-264565

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1348 GGGGAAGGAAAA 1359
Db 2 GGGGAAGGAAAA 13

RESULT 681
US-10-257-017B-264566/c
; Sequence 264566, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 264566
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0064134
US-10-257-017B-264566

Query Match      8.0%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 8.4e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1348 GGGGAAGGAAAA 1359
Db 12 GGGGAAGGAAAA 1

RESULT 682
US-10-257-017B-268220/c
; Sequence 268220, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268220
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000988
US-10-257-017B-268220

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATA 1361
Db 11 AAGAAAAATA 2

RESULT 683
US-10-257-017B-268506/c
; Sequence 268506, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 268506
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001185
US-10-257-017B-268506

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAA 1359
Db 11 GGAAGAAAAA 2

RESULT 684
US-10-257-017B-269609/c
; Sequence 269609, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 269609
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
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; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0001822
US-10-257-017B-269609

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTC 1408
DB 12 AGGTAAATTC 3

RESULT 685

US-10-257-017B-270350
; Sequence 270350, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 270350
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002098
US-10-257-017B-270350

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATTC 1365
DB 3 AAAATATTC 12

RESULT 686

US-10-257-017B-270638/c
; Sequence 270638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 270638
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002211
US-10-257-017B-270638

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAATATTC 1364
DB 3 AAAATATTC 12

Db 11 AAAATATTC 2

RESULT 687

US-10-257-017B-272104
; Sequence 272104, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272104
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002711
US-10-257-017B-272104

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATCA 1416
DB 2 TTGTTAATCA 11

RESULT 688

US-10-257-017B-272167
; Sequence 272167, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272167
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002726
US-10-257-017B-272167

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGTT 1458
DB 2 AAGATGGTT 11

RESULT 689

US-10-257-017B-272927
; Sequence 272927, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272927
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0002986
US-10-257-017B-272927

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1364
| | | | | | | | | | | | | |
Db 3 AAAAATATTC 12

RESULT 690
US-10-257-017B-272991
; Sequence 272991, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 272991
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003006
US-10-257-017B-272991

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTC 1366
| | | | | | | | | | | | | |
Db 1 AAATATTC 10

RESULT 691
US-10-257-017B-276652/c
; Sequence 276652, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046

; SEQ ID NO 276652
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004253
US-10-257-017B-276652

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAA 1359
| | | | | | | | | | | | | |
Db 11 GGAAGAAAAA 2

RESULT 692
US-10-257-017B-276653/c
; Sequence 276653, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 276653
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004253
US-10-257-017B-276653

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAA 1359
| | | | | | | | | | | | | |
Db 11 GGAAGAAAAA 2

RESULT 693
US-10-257-017B-277777
; Sequence 277777, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 277777
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0004900
US-10-257-017B-277777

Query Match 7.7%; Score 10; DB 1; Length 12;

```
Best Local Similarity 100.0%; Pred. No. 1.2e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 1356 AAAATATTC 1365
Db 1 AAAATATTC 10

RESULT 694
US-10-257-017B-278342/c
; Sequence 278342, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 278342
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005913
US-10-257-017B-278342

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 10 TAAATTTGTT 1

RESULT 695
US-10-257-017B-279418/c
; Sequence 279418, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 279418
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0007346
US-10-257-017B-279418

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATTTG 1409
Db 10 GGTAATTTG 1

RESULT 696
```

```
US-10-257-017B-280197
; Sequence 280197, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 280197
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008335
US-10-257-017B-280197

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAATAT 1362
Db 3 AGAAAATAT 12

RESULT 697
US-10-257-017B-283348
; Sequence 283348, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 283348
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011270
US-10-257-017B-283348

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAT 1414
Db 1 AATTGTTAT 10

RESULT 698
US-10-257-017B-284132
; Sequence 284132, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284132
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011676
US-10-257-017B-284132

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 AAAATGTTAA 1413
Db 2 AATGTTAA 11

RESULT 699
US-10-257-017B-284167
; Sequence 284167, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 284167
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011695
US-10-257-017B-284167

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 1 GAAAAATATT 10

RESULT 700
US-10-257-017B-288515/c
; Sequence 288515, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 288515
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0013548
US-10-257-017B-288515

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 10 AAAAATATTC 1

RESULT 701
US-10-257-017B-289698
; Sequence 289698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 289698
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014053
US-10-257-017B-289698

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
Db 2 ACATATACAT 11

RESULT 702
US-10-257-017B-289718/c
; Sequence 289718, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 289718
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014062
US-10-257-017B-289718

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
```

```
Db      11 AAAAATATTC 2
|||||
RESULT 703
US-10-257-017B-291189
; Sequence 291189, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 291189
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0014675
US-10-257-017B-291189

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1357 AAATATTC 1366
|||||
Db      3 AAATATTC 12

RESULT 704
US-10-257-017B-292137/c
; Sequence 292137, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 292137
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0015097
US-10-257-017B-292137

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1354 GAAATATTT 1363
|||||
Db      11 GAAATATTT 2

RESULT 705
US-10-257-017B-294714/c
; Sequence 294714, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

```
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 294714
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0016238
US-10-257-017B-294714

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1437 ACATATACAT 1446
|||||
Db      11 ACATATACAT 2

RESULT 706
US-10-257-017B-295516/c
; Sequence 295516, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 295516
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0016622
US-10-257-017B-295516

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1452 ATGGGTTGAT 1461
|||||
Db      10 ATGGGTTGAT 1

RESULT 707
US-10-257-017B-296818/c
; Sequence 296818, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 296818
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017285
US-10-257-017B-296818

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
|||||
Db 11 GGGGAAGAAA 2

RESULT 708
US-10-257-017B-297809/c
; Sequence 297809, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 297809
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0017783
US-10-257-017B-297809

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
|||||
Db 12 ACATATACAT 3

RESULT 709
US-10-257-017B-299302
; Sequence 299302, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 299302
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018513
US-10-257-017B-299302

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
|||||
Db 1 ATTGTTAATG 10

RESULT 710
US-10-257-017B-299414
; Sequence 299414, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 299414
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018562
US-10-257-017B-299414

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
|||||
Db 2 AAAATTGTTA 11

RESULT 711
US-10-257-017B-301021
; Sequence 301021, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301021
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019311
US-10-257-017B-301021

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412
|||||
Db 1 AAAATTGTTA 10

```
RESULT 712
US-10-257-017B-301047
; Sequence 301047, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 301047
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0019325
US-10-257-017B-301047

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1447 GGAAGATGGG 1456
DB 2 GGAAGATGGG 11

RESULT 713
US-10-257-017B-303065
; Sequence 303065, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 303065
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0020296
US-10-257-017B-303065

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
DB 2 AAAAATATTC 11

RESULT 714
US-10-257-017B-305776
; Sequence 305776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
```

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 305776
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021623
US-10-257-017B-305776

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
DB 2 ATGGAAGATG 11

RESULT 715
US-10-257-017B-308711/c
; Sequence 308711, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 308711
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023176
US-10-257-017B-308711

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTA 1403
DB 11 AAAGGAGGTA 2

RESULT 716
US-10-257-017B-309268
; Sequence 309268, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 309268
; LENGTH: 12
; TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0023447
US-10-257-017B-309268

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 GGAAGAAAAA 1359
Db 3 GGAAGAAAAA 12

RESULT 717
US-10-257-017B-312533
; Sequence 312533, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312533
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025127
US-10-257-017B-312533

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 1 AAATATTCCA 10

RESULT 718
US-10-257-017B-312688/c
; Sequence 312688, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 312688
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0025234
US-10-257-017B-312688

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGTAAAT 1408
Db 10 AGTAAAT 1

RESULT 719
US-10-257-017B-314317
; Sequence 314317, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314317
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026279
US-10-257-017B-314317

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
Db 1 AAGAAAAATA 10

RESULT 720
US-10-257-017B-314959
; Sequence 314959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314959
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026652
US-10-257-017B-314959

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTAAT 1414
Db 3 AATTGTAAT 12

RESULT 721
US-10-257-017B-315150/c
; Sequence 315150, Application US/10257017B
; GENERAL INFORMATION:

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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 31510
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026744
US-10-257-017B-31510

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATAT 1362
Db 12 AGAAAAATAT 3

RESULT 722
US-10-257-017B-315662/c
; Sequence 315662, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 315662
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027026
US-10-257-017B-315662

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1399 AGGTAAAAATT 1408
Db 12 AGGTAAAAATT 3

RESULT 723
US-10-257-017B-318767/c
; Sequence 318767, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 318767
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0028863
US-10-257-017B-318767

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1405 AATTGTTAAT 1414
Db 11 AATTGTTAAT 2

RESULT 724
US-10-257-017B-319241/c
; Sequence 319241, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 319241
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029130
US-10-257-017B-319241

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTT 1411
Db 12 TAAAAATTGTT 3

RESULT 725
US-10-257-017B-320308/c
; Sequence 320308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 320308
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0029644
US-10-257-017B-320308
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```
Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCGA 1366
    |||||
DB 12 AAATATTCGA 3

RESULT 726
US-10-257-017B-321158
; Sequence 321158, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 321158
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030082
US-10-257-017B-321158

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1366 ACGCATCAG 1375
    |||||
DB 1 ACGCATCAG 10

RESULT 727
US-10-257-017B-322127/c
; Sequence 322127, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 322127
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030674
US-10-257-017B-322127

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTA 1403
    |||||
DB 10 AAAGGAGGTA 1
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RESULT 728
US-10-257-017B-324567/c
; Sequence 324567, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 324567
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032108
US-10-257-017B-324567

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1349 GGGAGAGAAA 1358
    |||||
DB 12 GGGAGAGAAA 3

RESULT 729
US-10-257-017B-331234
; Sequence 331234, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/NO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 331234
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036066
US-10-257-017B-331234

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
    |||||
DB 1 AAAAATATTC 10

RESULT 730
US-10-257-017B-332249
; Sequence 332249, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
```

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; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 332249
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0036792
US-10-257-017B-332249

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAAATTC 1364
Db 2 AAAAAATTC 11

RESULT 731
US-10-257-017B-333164
; Sequence 333164, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333164
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037394
US-10-257-017B-333164

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTC 1366
Db 1 AAATATTC 10

RESULT 732
US-10-257-017B-333508
; Sequence 333508, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333508
; LENGTH: 12
```

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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037578
US-10-257-017B-333508

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
Db 1 GAAAAATATT 10

RESULT 733
US-10-257-017B-333613
; Sequence 333613, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 333613
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037634
US-10-257-017B-333613

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1452 ATGGGTTGAT 1461
Db 2 ATGGGTTGAT 11

RESULT 734
US-10-257-017B-334046/c
; Sequence 334046, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 334046
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0037913
US-10-257-017B-334046

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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QY 1437 ACATATACAT 1446
Db 12 ACATATACAT 3

RESULT 735
US-10-257-017B-337711
; Sequence 337711, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 337711
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040026
US-10-257-017B-337711

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
Db 1 GAAGAAAAAT 10

RESULT 736
US-10-257-017B-340768/c
; Sequence 340768, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 340768
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041667
US-10-257-017B-340768

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 11 TAAATTTGTT 2

RESULT 737
US-10-257-017B-342344
; Sequence 342344, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 342344
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0042503
US-10-257-017B-342344

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 1 TAAATTTGTT 10

RESULT 738
US-10-257-017B-343946/c
; Sequence 343946, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 343946
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043305
US-10-257-017B-343946

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATTCAC 1367
Db 12 AATATTCAC 3

RESULT 739
US-10-257-017B-344354
; Sequence 344354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344354
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043503
US-10-257-017B-344354

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1365 CACGCATCAC 1374
||| |||||
Db 1 CACGCATCAC 10

RESULT 740
US-10-257-017B-344578/c
; Sequence 344578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344578
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0043622
US-10-257-017B-344578

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1408 TGTAAATGAT 1417
||| |||||
Db 12 TGTAAATGAT 3

RESULT 741
US-10-257-017B-344643/c
; Sequence 344643, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344643
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC004577
US-10-257-017B-344578

US-10-257-017B-344643

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
||| |||||
Db 12 TAAATTTGTT 3

RESULT 742
US-10-257-017B-344752/c
; Sequence 344752, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 344752
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005691
US-10-257-017B-344752

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
||| |||||
Db 12 GAAAAATATT 3

RESULT 743
US-10-257-017B-346862/c
; Sequence 346862, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 346862
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0044803
US-10-257-017B-346862

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
||| |||||
Db 10 ATTGTTAATG 1

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RESULT 744
US-10-257-017B-349496/c
; Sequence 349496, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 349496
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0046173
US-10-257-017B-349496

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 12 TAAATTTGTT 3

RESULT 745
US-10-257-017B-351099
; Sequence 351099, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351099
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047093
US-10-257-017B-351099

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
Db 3 GGGGAAGAAA 12

RESULT 746
US-10-257-017B-351979
; Sequence 351979, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 351979
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC00047604
US-10-257-017B-351979

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 3 TAAATTTGTT 12

RESULT 747
US-10-257-017B-352091
; Sequence 352091, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352091
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0005356
US-10-257-017B-352091

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAATAT 1362
Db 3 AGAAAATAT 12

RESULT 748
US-10-257-017B-352518/c
; Sequence 352518, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 352518
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```
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0047931
US-10-257-017B-352518

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1364
Db 11 AAAAATATTC 2

RESULT 749
US-10-257-017B-353237/c
; Sequence 353237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 353237
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0048393
US-10-257-017B-353237

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1449 AAGATGGGTT 1458
Db 11 AAGATGGGTT 2

RESULT 750
US-10-257-017B-354698
; Sequence 354698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 354698
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0049232
US-10-257-017B-354698

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
```

```
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1397 GGAGGTAAAA 1406
Db 3 GGAGGTAAAA 12

RESULT 751
US-10-257-017B-357004
; Sequence 357004, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357004
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050426
US-10-257-017B-357004

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1410 TTAATGATGA 1419
Db 1 TTAATGATGA 10

RESULT 752
US-10-257-017B-357200
; Sequence 357200, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357200
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050510
US-10-257-017B-357200

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATT 1363
Db 2 GAAAAATATT 11

RESULT 753
US-10-257-017B-357400/c
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; Sequence 357400, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357400
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050593
US-10-257-017B-357400

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTGTT 1411
      |||||
      10 TAAATTGTT 1

RESULT 754
US-10-257-017B-357488
; Sequence 357488, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 357488
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0050647
US-10-257-017B-357488

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
      |||||
      1 ACATATACAT 10

RESULT 755
US-10-257-017B-359150
; Sequence 359150, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 359150
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0051481
US-10-257-017B-359150

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1450 AGATGGTTG 1459
      |||||
      1 AGATGGTTG 10

RESULT 756
US-10-257-017B-360354
; Sequence 360354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360354
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052044
US-10-257-017B-360354

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
      |||||
      2 AAAAATATTC 11

RESULT 757
US-10-257-017B-360593
; Sequence 360593, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 360593
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

```
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052150
US-10-257-017B-360593

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATTC 1363
Db 1 GAAAAATATTC 10

RESULT 758
US-10-257-017B-361638/c
; Sequence 361638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 361638
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0052736
US-10-257-017B-361638

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1404 AAATTGTAA 1413
Db 10 AAATTGTAA 1

RESULT 759
US-10-257-017B-365441/c
; Sequence 365441, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365441
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055126
US-10-257-017B-365441

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAAATATTC 1364
Db 1 AAAAAATATTC 10
```

```
Db 11 AAAAAATATTC 2

RESULT 760
US-10-257-017B-365860
; Sequence 365860, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365860
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055397
US-10-257-017B-365860

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTT 1411
Db 2 TAAAAATTGTT 11

RESULT 761
US-10-257-017B-365863/c
; Sequence 365863, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 365863
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055407
US-10-257-017B-365863

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAAATATTC 1364
Db 10 AAAAAATATTC 1

RESULT 762
US-10-257-017B-366148/c
; Sequence 366148, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
```

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366148
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055561
US-10-257-017B-366148

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTGTTT 1411
Db 11 TAAATTGTTT 2

RESULT 763
US-10-257-017B-366149/c
; Sequence 366149, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366149
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055561
US-10-257-017B-366149

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTGTTT 1411
Db 11 TAAATTGTTT 2

RESULT 764
US-10-257-017B-366389/c
; Sequence 366389, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; SEQ ID NO 366389
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0055712
US-10-257-017B-366389

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1404 AAATTGTAA 1413
Db 11 AAATTGTAA 2

RESULT 765
US-10-257-017B-366837/c
; Sequence 366837, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 366837
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0056010
US-10-257-017B-366837

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1364
Db 11 AAAAATATTC 2

RESULT 766
US-10-257-017B-368959
; Sequence 368959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 368959
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0057352
US-10-257-017B-368959

Query Match          7.7%; Score 10; DB 1; Length 12;
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Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAAATATTC 1364
DB 1 AAAAAATATTC 10

RESULT 767
US-10-257-017B-370557
; Sequence 370557, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370557
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006740
US-10-257-017B-370557

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
DB 1 ATGGAAGATG 10

RESULT 768
US-10-257-017B-370864/c
; Sequence 370864, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 370864
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0058439
US-10-257-017B-370864

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
DB 12 GAAAAATATT 3

RESULT 769
```

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US-10-257-017B-373960/c
; Sequence 373960, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 373960
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0060423
US-10-257-017B-373960

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
DB 12 AAGAAAAATA 3

RESULT 770
US-10-257-017B-375300
; Sequence 375300, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375300
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061188
US-10-257-017B-375300

Query Match 7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
DB 2 AATTGTTAAT 11

RESULT 771
US-10-257-017B-375753
; Sequence 375753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
```

```
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375753
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008682
US-10-257-017B-375753

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAATTC 1360
DB 3 GAAGAAATTC 12

RESULT 772
US-10-257-017B-375918
; Sequence 375918, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 375918
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0061526
US-10-257-017B-375918

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
DB 1 AAAAATATTC 10

RESULT 773
US-10-257-017B-377296/c
; Sequence 377296, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 377296
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0062251
US-10-257-017B-377296

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
DB 12 AATTGTTAAT 3

RESULT 774
US-10-257-017B-378745
; Sequence 378745, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 378745
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0008610
US-10-257-017B-378745

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AGAAAAAATA 1361
DB 1 AGAAAAAATA 10

RESULT 775
US-10-257-017B-379728/c
; Sequence 379728, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379728
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0063441
US-10-257-017B-379728

Query Match          7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAAATA 1362
```

```
Db      12 AGAATAATAT 3
|||||
RESULT 776
US-10-257-017B-379901
; Sequence 379901, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 379901
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0000622
US-10-257-017B-379901

Query Match      7.7%; Score 10; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1347 AGGGGAAGAA 1356
|||||
Db      1 AGGGGAAGAA 10

RESULT 777
US-10-257-017B-2871
; Sequence 2871, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2871
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2871

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1397 GGAGGTAATAATT 1408
|||||
Db      2 GGAGGGAATAATY 13

RESULT 778
US-10-257-017B-2872/c
; Sequence 2872, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2871
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2872/c

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1397 GGAGGTAATAATT 1408
|||||
Db      2 GGAGGGAATAATY 13

RESULT 779
US-10-257-017B-2873
; Sequence 2873, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2873
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2873

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1397 GGAGGTAATAATT 1408
|||||
Db      2 GGAGGGAATAATY 13

RESULT 780
US-10-257-017B-2874/c
; Sequence 2874, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2874
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2874/c
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2874
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001128
US-10-257-017B-2874

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1397 GGAGTAAATTT 1408
:|||||
Db 12 GGAGAAAAATY 1

RESULT 781

US-10-257-017B-2983/c
; Sequence 2983, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2983
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001161
US-10-257-017B-2983

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
:|||||
Db 13 AAAATATTCAC 2

RESULT 782

US-10-257-017B-2984
; Sequence 2984, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 2984
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001161
US-10-257-017B-2984

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
:|||||
Db 1 AAAATATTCAC 12

RESULT 783

US-10-257-017B-5727
; Sequence 5727, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 5727
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001868
US-10-257-017B-5727

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
:|||||
Db 2 GAAAAATATT 11

RESULT 784

US-10-257-017B-5728/c
; Sequence 5728, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 5728
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0001868
US-10-257-017B-5728

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
:|||||
Db 12 GAAAAATATT 3

```
RESULT 785
US-10-257-017B-15941/c
; Sequence 15941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15941

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCTCA 1366
      |||||
Db 10 AAATATTCCTCA 1

RESULT 786
US-10-257-017B-15942
; Sequence 15942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003511
US-10-257-017B-15942

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCTCA 1366
      |||||
Db 4 AAATATTCCTCA 13

RESULT 787
US-10-257-017B-15955
; Sequence 15955, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15955
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15955

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
      |||||
Db 12 GGTAATAAGTGTY 1
```

```
FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15955
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15955

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
      |||||
Db 2 GGTAATAAGTGTY 13

RESULT 788
US-10-257-017B-15956/c
; Sequence 15956, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15956
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15956

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
      |||||
Db 12 GGTAATAAGTGTY 1

RESULT 789
US-10-257-017B-15959
; Sequence 15959, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15959
; LENGTH: 13
; TYPE: DNA
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15959

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAATAATTGTT 1411
      |||||
Db 12 GGTAATAAGTGTY 1
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003512
US-10-257-017B-15959

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAAATTGTT 1411
Db 2 GGTAAAAGTGTY 13

RESULT 790
US-10-257-017B-15960/c
; Sequence 15960, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 15960
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003567
US-10-257-017B-15960

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAAATTGTT 1411
Db 12 GGTAAAAGTGTY 1

RESULT 791
US-10-257-017B-16321
; Sequence 16321, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16321
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003567
US-10-257-017B-16321

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAATTGTT 1411
Db 13 TAAAATTGTT 10

RESULT 792
US-10-257-017B-16322/c
; Sequence 16322, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 16322
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0003567
US-10-257-017B-16322

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAATTGTT 1411
Db 13 TAAAATTGTT 4

RESULT 793
US-10-257-017B-20311
; Sequence 20311, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20311
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004157
US-10-257-017B-20311

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATCA 1416
Db 1 TTGTTAATCA 10

RESULT 794
US-10-257-017B-20312/c
; Sequence 20312, Application US/10257017B
; GENERAL INFORMATION:
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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 20312
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004157
US-10-257-017B-20312

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1407 TTGTTAATGA 1416
Db 13 TTGTTAATGA 4

RESULT 795
US-10-257-017B-22211/c
; Sequence 22211, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22211
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004405
US-10-257-017B-22211

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
Db 13 ACATATACAT 4

RESULT 796
US-10-257-017B-22212
; Sequence 22212, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22562
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004456
US-10-257-017B-22562
```

```
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22212
; TYPE: DNA
; LENGTH: 13
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004405
US-10-257-017B-22212

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
Db 1 ACATATACAT 10

RESULT 797
US-10-257-017B-22561/c
; Sequence 22561, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22561
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004456
US-10-257-017B-22561

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 GAAGAAAATAT 1362
Db 13 RAATAAAATAT 2

RESULT 798
US-10-257-017B-22562
; Sequence 22562, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 22562
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004456
US-10-257-017B-22562
```

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
DB 1 RAATAAAATAT 12

RESULT 799
US-10-257-017B-24121/c
; Sequence 24121, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 24121
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005613
US-10-257-017B-24121

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
DB 12 ACATATACAT 3

RESULT 800
US-10-257-017B-24122
; Sequence 24122, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 24122
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005613
US-10-257-017B-24122

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
DB 2 ACATATACAT 11

RESULT 801
US-10-257-017B-26637
; Sequence 26637, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26637
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007097
US-10-257-017B-26637

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATG 1418
DB 2 GTTAATGATG 11

RESULT 802
US-10-257-017B-26638/c
; Sequence 26638, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 26638
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007097
US-10-257-017B-26638

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1409 GTTAATGATG 1418
DB 12 GTTAATGATG 3

RESULT 803
US-10-257-017B-40987/c
; Sequence 40987, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40987
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012366
US-10-257-017B-40987

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 10 AAATATTCCA 1

RESULT 804
US-10-257-017B-40988
; Sequence 40988, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 40988
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012366
US-10-257-017B-40988

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 4 AAATATTCCA 13

RESULT 805
US-10-257-017B-42007
; Sequence 42007, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42007
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012567
US-10-257-017B-42007

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1375 GAGCGATCGT 1384
Db 4 GAGCGATCGT 13

RESULT 806
US-10-257-017B-42008/c
; Sequence 42008, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 42008
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0012567
US-10-257-017B-42008

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1375 GAGCGATCGT 1384
Db 10 GAGCGATCGT 1

RESULT 807
US-10-257-017B-48143/c
; Sequence 48143, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48143
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013757
US-10-257-017B-48143

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```
QY 1460 ATCAAGCAATA 1471
Db 13 RTCAACAATA 2

RESULT 808
US-10-257-017B-48144
; Sequence 48144, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 48144
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013759
US-10-257-017B-48144

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATAT 1362
Db 12 GATGAAAATAT 1

RESULT 811
US-10-257-017B-50663
; Sequence 50663, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50663
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014212
US-10-257-017B-50663

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 4 TAAATTTGTT 13

RESULT 812
US-10-257-017B-50664/c
; Sequence 50664, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50664
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0013759
US-10-257-017B-48144

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATAT 1362
Db 2 GATGAAAATAT 13

RESULT 810
US-10-257-017B-48148/c
; Sequence 48148, Application US/10257017B
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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 50664
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014212
US-10-257-017B-50664

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTGTTT 1411
Db 10 TAAATTGTTT 1

RESULT 813
US-10-257-017B-53653
; Sequence 53653, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53653
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014796
US-10-257-017B-53653

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTTAA 1414
Db 3 AATTGTTTAA 12

RESULT 814
US-10-257-017B-53654/c
; Sequence 53654, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53654
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014796
US-10-257-017B-53654

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTTAA 1414
Db 3 AATTGTTTAA 12

RESULT 815
US-10-257-017B-53709
; Sequence 53709, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53709
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014802
US-10-257-017B-53709

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
Db 4 GAAGAAAAAT 13

RESULT 816
US-10-257-017B-53710/c
; Sequence 53710, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53710
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014802
US-10-257-017B-53710

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 GAAGAAAAAT 1360
Db 10 GAAGAAAAAT 1
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RESULT 817
US-10-257-017B-53941/c
; Sequence 53941, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53941
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014838
US-10-257-017B-53941

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGTTA 1412
DB 13 RTAAAAATTATTA 2

RESULT 818
US-10-257-017B-53942
; Sequence 53942, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 53942
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014838
US-10-257-017B-53942

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1401 GTAAAAATTGTTA 1412
DB 1 RTAAAAATTATTA 2

RESULT 819
US-10-257-017B-54063
; Sequence 54063, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54063
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014864
US-10-257-017B-54063

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
DB 1 GGGGAAGAAA 10

RESULT 820
US-10-257-017B-54064/c
; Sequence 54064, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 54064
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0014864
US-10-257-017B-54064

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1348 GGGGAAGAAA 1357
DB 13 GGGGAAGAAA 4

RESULT 821
US-10-257-017B-56067/c
; Sequence 56067, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56067
```

;
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015245
US-10-257-017B-56067

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1354 GAAAAATATCC 1365
; :|||||
Db 13 RAAAAATCTCC 2

RESULT 822
US-10-257-017B-56068
; Sequence 56068, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 56068
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015245
US-10-257-017B-56068

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1354 GAAAAATATCC 1365
; :|||||
Db 1 RAAAAATCTCC 12

RESULT 823
US-10-257-017B-57845
; Sequence 57845, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57845
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015565
US-10-257-017B-57845

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1375 GAGCGATCGT 1384
; :|||||
Db 3 GAGCGATCGT 12

RESULT 824
US-10-257-017B-57846/c
; Sequence 57846, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 57846
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015565
US-10-257-017B-57846

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1375 GAGCGATCGT 1384
; :|||||
Db 11 GAGCGATCGT 2

RESULT 825
US-10-257-017B-59775/c
; Sequence 59775, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59775
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015989
US-10-257-017B-59775

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
; :|||||
Db 12 ACATATACAT 3

RESULT 826
US-10-257-017B-59776

; Sequence 59776, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 59776
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0015989
US-10-257-017B-59776

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1437 ACATATACAT 1446
|||||
DB 2 ACATATACAT 11

RESULT 827

US-10-257-017B-60199
; Sequence 60199, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60199
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016082
US-10-257-017B-60199

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1450 AGATGGGTG 1459
|||||
DB 4 AGATGGGTG 13

RESULT 828

US-10-257-017B-60200/c
; Sequence 60200, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 60200
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016082
US-10-257-017B-60200

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1450 AGATGGGTG 1459
|||||
DB 10 AGATGGGTG 1

RESULT 829

US-10-257-017B-61279
; Sequence 61279, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61279
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016313
US-10-257-017B-61279

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1451 GATGGGTGA 1460
|||||
DB 1 GATGGGTGA 10

RESULT 830

US-10-257-017B-61280/c
; Sequence 61280, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 61280
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016313
US-10-257-017B-61280

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1451 GATGGGTGA 1460
|||||
DB 13 GATGGGTGA 4

RESULT 831

US-10-257-017B-62977/c
; Sequence 62977, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62977
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016656
US-10-257-017B-62977

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
|||||
DB 10 AAATATTCCA 1

RESULT 832

US-10-257-017B-62978
; Sequence 62978, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 62978
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016656
US-10-257-017B-62978

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
|||||

Db 4 AAATATTCCA 13

RESULT 833

US-10-257-017B-63973
; Sequence 63973, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63973
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016888
US-10-257-017B-63973

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
DB 1 TTAATGATGA 10

RESULT 834

US-10-257-017B-63974/c
; Sequence 63974, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 63974
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0016888
US-10-257-017B-63974

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
DB 13 TTAATGATGA 4

RESULT 835

US-10-257-017B-65109/c
; Sequence 65109, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 65109
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017151
US-10-257-017B-65109

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATAT 1362
DB 13 RAACAAAATAT 2

RESULT 836
US-10-257-017B-65110
; Sequence 65110, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 65110
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017151
US-10-257-017B-65110

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAATAT 1362
DB 1 RAACAAAATAT 12

RESULT 837
US-10-257-017B-66683/c
; Sequence 66683, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
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; SEQ ID NO 66683
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017494
US-10-257-017B-66683

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
DB 12 AAATATTCCA 3

RESULT 838
US-10-257-017B-66684
; Sequence 66684, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 66684
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0017494
US-10-257-017B-66684

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
DB 2 AAATATTCCA 11

RESULT 839
US-10-257-017B-73027
; Sequence 73027, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 73027
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018837
US-10-257-017B-73027

Query Match          7.7%; Score 10; DB 1; Length 13;
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Best Local Similarity 100.0%; Pred. No. 1.1e+03; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412

Db 2 AAAATTGTTA 11

RESULT 840

US-10-257-017B-73028/c
; Sequence 73028, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 73028
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0018837
US-10-257-017B-73028

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1403 AAAATTGTTA 1412

Db 12 AAAATTGTTA 3

RESULT 841

US-10-257-017B-80071
; Sequence 80071, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80071
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020327
US-10-257-017B-80071

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415

Db 4 ATTGTTAATG 13

RESULT 842

US-10-257-017B-80072/c
; Sequence 80072, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80072
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020327
US-10-257-017B-80072

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415

Db 10 ATTGTTAATG 1

RESULT 843

US-10-257-017B-80365
; Sequence 80365, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80365
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020402
US-10-257-017B-80365

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419

Db 2 TTAATGATGA 11

RESULT 844

US-10-257-017B-80366/c
; Sequence 80366, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
US-10-257-017B-80366/c

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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 80366
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020402
US-10-257-017B-80366

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3

RESULT 845
US-10-257-017B-81967/c
; Sequence 81967, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81967
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020728
US-10-257-017B-81967

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAATATATCC 1365
Db 13 RAAACATATCC 2

RESULT 846
US-10-257-017B-81968
; Sequence 81968, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81968
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020728
US-10-257-017B-81968

; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 81968
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020728
US-10-257-017B-81968

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAATATATCC 1365
Db 13 RAAACATATCC 2

RESULT 847
US-10-257-017B-82289
; Sequence 82289, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82289
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020785
US-10-257-017B-82289

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
Db 3 AGAAAAATAT 12

RESULT 848
US-10-257-017B-82290/c
; Sequence 82290, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 82290
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0020785
US-10-257-017B-82290

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
```

```
Db 11 AGAAAAATAT 2
|||||
RESULT 849
US-10-257-017B-85483/c
; Sequence 85483, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85483
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021482
US-10-257-017B-85483
Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
|||||
Db 12 ACATATACAT 3

RESULT 850
US-10-257-017B-85484
; Sequence 85484, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85484
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021482
US-10-257-017B-85484
Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
|||||
Db 2 ACATATACAT 11

RESULT 851
US-10-257-017B-85949/c
; Sequence 85949, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 85949
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021601
US-10-257-017B-85949
Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
|||||
Db 4 ACATATACAT 13

RESULT 853
US-10-257-017B-86707
; Sequence 86707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021601
US-10-257-017B-86707
Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
|||||
Db 4 ACATATACAT 13

RESULT 855
US-10-257-017B-86707
; Sequence 86707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021601
US-10-257-017B-86707
Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1437 ACATATACAT 1446
|||||
Db 4 ACATATACAT 13
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021791
US-10-257-017B-86707

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1351 GAAGAAAAAT 1360
Db 1 GAAGAAAAAT 10
|||||

RESULT 854
US-10-257-017B-86708/c
; Sequence 86708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 86708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0021791
US-10-257-017B-86708

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1351 GAAGAAAAAT 1360
Db 13 GAAGAAAAAT 4
|||||

RESULT 855
US-10-257-017B-90353
; Sequence 90353, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90353
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022648
US-10-257-017B-90353

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGT 1410
Db 3 GTAAATTTGT 12
|||||

RESULT 856
US-10-257-017B-90354/c
; Sequence 90354, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 90354
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0022648
US-10-257-017B-90354

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1401 GTAAATTTGT 1410
Db 11 GTAAATTTGT 2
|||||

RESULT 857
US-10-257-017B-92315/c
; Sequence 92315, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92315
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023077
US-10-257-017B-92315

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1355 AAAAATATTC 1364
Db 12 AAAAATATTC 3
|||||

RESULT 858

US-10-257-017B-92316
; Sequence 92316, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 92316
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023077
US-10-257-017B-92316

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364

Db 2 AAAAATATTC 11

RESULT 859

US-10-257-017B-93509
; Sequence 93509, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93509
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023371
US-10-257-017B-93509

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAAATATTC 1409

Db 4 GGTAAATATTC 13

RESULT 860

US-10-257-017B-93510/c
; Sequence 93510, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94174
; LENGTH: 13
; TYPE: DNA

FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 93510
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023371
US-10-257-017B-93510

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAAATATTC 1409

Db 10 GGTAAATATTC 1

RESULT 861

US-10-257-017B-94173/c
; Sequence 94173, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94173
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023509
US-10-257-017B-94173

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1361 ATTCCACGCATC 1372

Db 13 RTCCACGAATC 2

RESULT 862

US-10-257-017B-94174
; Sequence 94174, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 94174
; LENGTH: 13
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023509
US-10-257-017B-94174

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 0; Gaps 0;

QY 1361 ATTCCAGCATC 1372
Db :|||||||
1 RTTCCAGCATC 12

RESULT 863
US-10-257-017B-95059/c
; Sequence 95059, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95059
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023684
US-10-257-017B-95059

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db :|||||||
11 AAAAATATTC 2

RESULT 864
US-10-257-017B-95060
; Sequence 95060, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95060
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023684
US-10-257-017B-95060

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db :|||||||
3 AAAAATATTC 12

RESULT 865
US-10-257-017B-95633/c
; Sequence 95633, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95633
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023795
US-10-257-017B-95633

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db :|||||||
12 AAAAATATTC 3

RESULT 866
US-10-257-017B-95634
; Sequence 95634, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 95634
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0023795
US-10-257-017B-95634

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db :|||||||
2 AAAAATATTC 11

RESULT 867
US-10-257-017B-97055
; Sequence 97055, Application US/10257017B
; GENERAL INFORMATION:

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97055
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024079
US-10-257-017B-97055

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATAT 1362
Db 1 AGAAAAATAT 10

RESULT 868
US-10-257-017B-97056/c
; Sequence 97056, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 97056
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0024079
US-10-257-017B-97056

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1353 AGAAAAATAT 1362
Db 13 AGAAAAATAT 4

RESULT 869
US-10-257-017B-100535
; Sequence 100535, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 100535
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025011
US-10-257-017B-100535

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1398 GAGTAAAT 1407
Db 3 GAGTAAAT 12

RESULT 870
US-10-257-017B-100536/c
; Sequence 100536, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 100536
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025011
US-10-257-017B-100536

Query Match
Best Local Similarity 7.7%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1398 GAGTAAAT 1407
Db 11 GAGTAAAT 2

RESULT 871
US-10-257-017B-102561
; Sequence 102561, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 102561
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025589
US-10-257-017B-102561
```

Query Match 7.7%; Score 10; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
 |||||
 Db 1 AAGGAGGTAA 10

RESULT 872
 US-10-257-017B-102562/c
 ; Sequence 102562, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 102562
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025589
 US-10-257-017B-102562

Query Match 7.7%; Score 10; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
 |||||
 Db 13 AAGGAGGTAA 4

RESULT 873
 US-10-257-017B-103207
 ; Sequence 103207, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 103207
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025817
 US-10-257-017B-103207

Query Match 7.7%; Score 10; DB 1; Length 13;
 Best Local Similarity 83.3%; Pred. No. 1.1e+03;
 Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTTGATCAAGC 1466
 |||||
 Db 2 GGTTGATTAAGY 13

RESULT 874
 US-10-257-017B-103208/c
 ; Sequence 103208, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 103208
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025817
 US-10-257-017B-103208

Query Match 7.7%; Score 10; DB 1; Length 13;
 Best Local Similarity 83.3%; Pred. No. 1.1e+03;
 Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1455 GGTTGATCAAGC 1466
 |||||
 Db 12 GGTTGATTAAGY 1

RESULT 875
 US-10-257-017B-103331
 ; Sequence 103331, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
 ; FILE REFERENCE: E01/1193/WO
 ; CURRENT APPLICATION NUMBER: US/10/257,017B
 ; CURRENT FILING DATE: 2002-10-07
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; NUMBER OF SEQ ID NOS: 382046
 ; SEQ ID NO 103331
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025853
 US-10-257-017B-103331

Query Match 7.7%; Score 10; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
 |||||
 Db 4 AAGGAGGTAA 13

RESULT 876
 US-10-257-017B-103332/c
 ; Sequence 103332, Application US/10257017B
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander Olek
 ; APPLICANT: Christian Piepenbrock
 ; APPLICANT: Kurt Berlin
 ; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 103332
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0025853
US-10-257-017B-103332

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1395 AAGGAGGTAA 1404
Db 10 AAGGAGGTAA 1

RESULT 877
US-10-257-017B-105251/c
; Sequence 105251, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105251
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026360
US-10-257-017B-105251

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 13 RAAAAAATAT 2

RESULT 878
US-10-257-017B-105252
; Sequence 105252, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 105252
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026360
US-10-257-017B-105252

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 1 RAAAAAATAT 12

RESULT 879
US-10-257-017B-107611/c
; Sequence 107611, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107611
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026951
US-10-257-017B-107611

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1354 GAAAAATATTC 1365
Db 13 RAAAACTATTC 2

RESULT 880
US-10-257-017B-107612
; Sequence 107612, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 107612
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0026951
US-10-257-017B-107612

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

;/ PRIOR APPLICATION NUMBER: DE 10019173.8
;/ PRIOR FILING DATE: 2000-04-07
;/ NUMBER OF SEQ ID NOS: 382046
;/ SEQ ID NO 113531
;/ LENGTH: 13
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028415
US-10-257-017B-113531

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 11 AAAAATATTC 2

RESULT 886

US-10-257-017B-113532
;/ Sequence 113532, Application US/10257017B
;/ GENERAL INFORMATION:
;/ APPLICANT: Alexander Olek
;/ APPLICANT: Kurt Berlin
;/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;/ FILE REFERENCE: E01/1193/WO
;/ CURRENT APPLICATION NUMBER: US/10/257,017B
;/ PRIOR FILING DATE: 2002-10-07
;/ PRIOR APPLICATION NUMBER: DE 10019173.8
;/ PRIOR FILING DATE: 2000-04-07
;/ NUMBER OF SEQ ID NOS: 382046
;/ SEQ ID NO 113532
;/ LENGTH: 13
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028415
US-10-257-017B-113532

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
|||||
Db 3 AAAAATATTC 12

RESULT 887

US-10-257-017B-115215
;/ Sequence 115215, Application US/10257017B
;/ GENERAL INFORMATION:
;/ APPLICANT: Alexander Olek
;/ APPLICANT: Kurt Berlin
;/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;/ FILE REFERENCE: E01/1193/WO
;/ CURRENT APPLICATION NUMBER: US/10/257,017B
;/ PRIOR FILING DATE: 2002-10-07
;/ PRIOR APPLICATION NUMBER: DE 10019173.8
;/ PRIOR FILING DATE: 2000-04-07
;/ NUMBER OF SEQ ID NOS: 382046
;/ SEQ ID NO 115215
;/ LENGTH: 13
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028882

US-10-257-017B-115215

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 2 GAAAAATATT 11

RESULT 888

US-10-257-017B-115216/c
;/ Sequence 115216, Application US/10257017B
;/ GENERAL INFORMATION:
;/ APPLICANT: Alexander Olek
;/ APPLICANT: Kurt Berlin
;/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;/ FILE REFERENCE: E01/1193/WO
;/ CURRENT APPLICATION NUMBER: US/10/257,017B
;/ PRIOR FILING DATE: 2002-10-07
;/ PRIOR APPLICATION NUMBER: DE 10019173.8
;/ PRIOR FILING DATE: 2000-04-07
;/ NUMBER OF SEQ ID NOS: 382046
;/ SEQ ID NO 115216
;/ LENGTH: 13
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0028882
US-10-257-017B-115216

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 12 GAAAAATATT 3

RESULT 889

US-10-257-017B-118837/c
;/ Sequence 118837, Application US/10257017B
;/ GENERAL INFORMATION:
;/ APPLICANT: Alexander Olek
;/ APPLICANT: Kurt Berlin
;/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
;/ FILE REFERENCE: E01/1193/WO
;/ CURRENT APPLICATION NUMBER: US/10/257,017B
;/ PRIOR FILING DATE: 2002-10-07
;/ PRIOR APPLICATION NUMBER: DE 10019173.8
;/ PRIOR FILING DATE: 2000-04-07
;/ NUMBER OF SEQ ID NOS: 382046
;/ SEQ ID NO 118837
;/ LENGTH: 13
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029672
US-10-257-017B-118837

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATTCAC 1367
:|||||
Db 13 AAAATATTCAC 2

```
RESULT 890
US-10-257-017B-118838
; Sequence 118838, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 118838
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0029672
US-10-257-017B-118838

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1356 AAAATATCCAC 1367
Db 1 RAAATATCCAC 12

RESULT 891
US-10-257-017B-123025
; Sequence 123025, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 123025
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0030755
US-10-257-017B-123025

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1448 GAAGATGGGT 1457
Db 2 GAAGATGGGT 11

RESULT 892
US-10-257-017B-123026/c
; Sequence 123026, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128464
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032178
US-10-257-017B-128463

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAAATATCCCA 1366
Db 13 AAATATCCCA 4

RESULT 893
US-10-257-017B-128463/c
; Sequence 128463, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128463
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032178
US-10-257-017B-128463

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1448 GAAGATGGGT 1457
Db 12 GAAGATGGGT 3

RESULT 894
US-10-257-017B-128464
; Sequence 128464, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 128464
```

```

; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032178
US-10-257-017B-128464

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAAATATCCA 1366
Db 1 AAAATATCCA 10

RESULT 895
US-10-257-017B-129039
; Sequence 129039, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129039
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032305
US-10-257-017B-129039

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 3 TAAATTTGTT 12

RESULT 896
US-10-257-017B-129040/c
; Sequence 129040, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 129040
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032305
US-10-257-017B-129040

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 3 TAAATTTGTT 12

RESULT 897
US-10-257-017B-131753/c
; Sequence 131753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131753
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032892
US-10-257-017B-131753

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATATCC 1365
Db 11 AAAATATATCC 2

RESULT 898
US-10-257-017B-131754
; Sequence 131754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131754
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032892
US-10-257-017B-131754

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATATCC 1365
Db 3 AAAATATATCC 12

RESULT 899
US-10-257-017B-132237/c
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```

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
Db 11 TAAATTTGTT 2

RESULT 897
US-10-257-017B-131753/c
; Sequence 131753, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131753
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032892
US-10-257-017B-131753

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATATCC 1365
Db 11 AAAATATATCC 2

RESULT 898
US-10-257-017B-131754
; Sequence 131754, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 131754
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032892
US-10-257-017B-131754

Query Match
Best Local Similarity 100.0%; Score 10; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATATCC 1365
Db 3 AAAATATATCC 12

RESULT 899
US-10-257-017B-132237/c
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; Sequence 132237, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132237
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032997
US-10-257-017B-132237

Query Match      7.7%  Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1358 AATATTCAC 1367
Db 13 AATATTCAC 4

RESULT 900
US-10-257-017B-132238
; Sequence 132238, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132238
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0032997
US-10-257-017B-132238

Query Match      7.7%  Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1358 AATATTCAC 1367
Db 1 AATATTCAC 10

RESULT 901
US-10-257-017B-132805
; Sequence 132805, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
```

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; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132805
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033117
US-10-257-017B-132805

Query Match      7.7%  Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1404 AAATTGTAA 1413
Db 4 AAATTGTAA 13

RESULT 902
US-10-257-017B-132806/c
; Sequence 132806, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 132806
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033117
US-10-257-017B-132806

Query Match      7.7%  Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1404 AAATTGTAA 1413
Db 10 AAATTGTAA 1

RESULT 903
US-10-257-017B-135433
; Sequence 135433, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 135433
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033799
US-10-257-017B-135433

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1410 TTAATGATGA 1419
Db 2 TTAATGATGA 11

RESULT 904
US-10-257-017B-135434/c
; Sequence 135434, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 135434
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0033799
US-10-257-017B-135434

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3

RESULT 905
US-10-257-017B-136311
; Sequence 136311, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136311
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034044
US-10-257-017B-136311

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1448 GAAGATGGGT 1457
Db 1 GAAGATGGGT 10

Db 2 GAAGATGGGT 11

RESULT 906
US-10-257-017B-136312/c
; Sequence 136312, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 136312
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0034044
US-10-257-017B-136312

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1448 GAAGATGGGT 1457
Db 12 GAAGATGGGT 3

RESULT 907
US-10-257-017B-140385
; Sequence 140385, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140385
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035188
US-10-257-017B-140385

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAATTTGTT 1411
Db 1 TAAATTTGTT 10

RESULT 908
US-10-257-017B-140386/c
; Sequence 140386, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 140386
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035188
US-10-257-017B-140386

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAAAATTGTT 1411
   |||||
Db 13 TAAAAATTGTT 4

RESULT 909
US-10-257-017B-142323
; Sequence 142323, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 142323
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035679
US-10-257-017B-142323

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
   |||||
Db 2 AGAAAAATAT 11

RESULT 910
US-10-257-017B-142324/c
; Sequence 142324, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
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; SEQ ID NO 142324
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035679
US-10-257-017B-142324

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1353 AGAAAAATAT 1362
   |||||
Db 12 AGAAAAATAT 3

RESULT 911
US-10-257-017B-143215/c
; Sequence 143215, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143215
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935
US-10-257-017B-143215

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATTCCACGC 1369
   :|||||
Db 13 RATATTCCCGC 2

RESULT 912
US-10-257-017B-143216
; Sequence 143216, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 143216
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0035935
US-10-257-017B-143216

Query Match          7.7%; Score 10; DB 1; Length 13;
```

```
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1358 AATATCCACGC 1369
Db :|||||
1 RATATCCCGGC 12

RESULT 913
US-10-257-017B-144231
; Sequence 144231, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144231
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036260
US-10-257-017B-144231

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db :|||||
1 ARGATGGGTT 10

RESULT 914
US-10-257-017B-144232/c
; Sequence 144232, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 144232
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0036260
US-10-257-017B-144232

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db :|||||
1 ARGATGGGTT 4

RESULT 915
```

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US-10-257-017B-147577
; Sequence 147577, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147577
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037287
US-10-257-017B-147577

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGA 1416
Db :|||||
1 TTGTTAATGA 10

RESULT 916
US-10-257-017B-147578/c
; Sequence 147578, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147578
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037287
US-10-257-017B-147578

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 TTGTTAATGA 1416
Db :|||||
1 TTGTTAATGA 4

RESULT 917
US-10-257-017B-147657
; Sequence 147657, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147657
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037311
US-10-257-017B-147657

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTG 1409
Db 3 GGTAATAATTG 12

RESULT 918

US-10-257-017B-147658/c
; Sequence 147658, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147658
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037311
US-10-257-017B-147658

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1400 GGTAATAATTG 1409
Db 11 GGTAATAATTG 2

RESULT 919

US-10-257-017B-147879/c
; Sequence 147879, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147879
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037346
US-10-257-017B-147879

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 13 AAATATTCCA 4

RESULT 920

US-10-257-017B-147880
; Sequence 147880, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 147880
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037346
US-10-257-017B-147880

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1357 AAATATTCCA 1366
Db 1 AAATATTCCA 10

RESULT 921

US-10-257-017B-148407
; Sequence 148407, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148407
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037461
US-10-257-017B-148407

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361

```
Db      1 AAGAAAAATA 10
|||||
RESULT 922
US-10-257-017B-148408/c
; Sequence 148408, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148408
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037461
US-10-257-017B-148408

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1352 AAGAAAAATA 1361
|||||
Db      13 AAGAAAAATA 4

RESULT 923
US-10-257-017B-148707
; Sequence 148707, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148707
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037542
US-10-257-017B-148707

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1450 AGATGGGTG 1459
|||||
Db      2 AGATGGGTG 11

RESULT 924
US-10-257-017B-148708/c
; Sequence 148708, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

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; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 148708
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0037542
US-10-257-017B-148708

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1450 AGATGGGTG 1459
|||||
Db      12 AGATGGGTG 3

RESULT 925
US-10-257-017B-154055/c
; Sequence 154055, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154055
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000577
US-10-257-017B-154055

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1352 AAGAAAAAATATT 1363
|||||
Db      13 AAAAAAAATATT 2

RESULT 926
US-10-257-017B-154056
; Sequence 154056, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
```

; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154056
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000577
US-10-257-017B-154056

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 0; Gaps 0;

QY 1352 AAGAAAAATATT 1363
DB 1 RAAGAAAAATATT 12

RESULT 927

US-10-257-017B-154223
; Sequence 154223, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154223
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038977
US-10-257-017B-154223

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 0; Gaps 0;

QY 1349 GCGAAGAAAAAT 1360
DB 2 GCGAAGAGAAAY 13

RESULT 928

US-10-257-017B-154224/c
; Sequence 154224, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 154224
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0038977
US-10-257-017B-154224

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 0; Gaps 0;

QY 1349 GCGAAGAAAAAT 1360
DB 12 GCGAAGAGAAAY 1

RESULT 929

US-10-257-017B-155547
; Sequence 155547, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 155547
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039277
US-10-257-017B-155547

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
DB 4 ATGGAAGATG 13

RESULT 930

US-10-257-017B-155548/c
; Sequence 155548, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 155548
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0039277
US-10-257-017B-155548

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1445 ATGGAAGATG 1454
DB 10 ATGGAAGATG 1

```
RESULT 931
US-10-257-017B-161189/c
; Sequence 161189, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161189
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040579
US-10-257-017B-161189

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 12 AAAAATATTC 3

RESULT 932
US-10-257-017B-161190
; Sequence 161190, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 161190
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0040579
US-10-257-017B-161190

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 2 AAAAATATTC 11

RESULT 933
US-10-257-017B-164657/c
; Sequence 164657, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
```

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; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 164657
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041318
US-10-257-017B-164657

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 10 AAAAATATTC 1

RESULT 934
US-10-257-017B-164658
; Sequence 164658, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 164658
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041318
US-10-257-017B-164658

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 4 AAAAATATTC 13

RESULT 935
US-10-257-017B-165853
; Sequence 165853, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165853
; LENGTH: 13
; TYPE: DNA
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/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041592
US-10-257-017B-165853

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
|||||
Db 4 ATTGTTAATG 13

RESULT 936
US-10-257-017B-165854/c
; Sequence 165854, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 165854
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0041592
US-10-257-017B-165854

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1406 ATTGTTAATG 1415
|||||
Db 10 ATTGTTAATG 1

RESULT 937
US-10-257-017B-168697/c
; Sequence 168697, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168697
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042182
US-10-257-017B-168697

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 12 GAAAAATATT 3

RESULT 938
US-10-257-017B-168698
; Sequence 168698, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 168698
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042182
US-10-257-017B-168698

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1354 GAAAAATATT 1363
|||||
Db 2 GAAAAATATT 11

RESULT 939
US-10-257-017B-169517
; Sequence 169517, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169517
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042350
US-10-257-017B-169517

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
Db 2 TTAATGATGA 11

RESULT 940
US-10-257-017B-169518/c
; Sequence 169518, Application US/10257017B
; GENERAL INFORMATION:

```
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 169518
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042350
US-10-257-017B-169518

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3

RESULT 941
US-10-257-017B-171405
; Sequence 171405, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171405
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042725
US-10-257-017B-171405

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTA 1403
Db 4 AAAGGAGGTA 13

RESULT 942
US-10-257-017B-171406/c
; Sequence 171406, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171406
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042867
US-10-257-017B-171968
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; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171406
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042725
US-10-257-017B-171406

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1394 AAAGGAGGTA 1403
Db 10 AAAGGAGGTA 1

RESULT 943
US-10-257-017B-171967
; Sequence 171967, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171967
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042867
US-10-257-017B-171967

Query Match      7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred.No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
Db 1 AAGAAAAATA 10

RESULT 944
US-10-257-017B-171968/c
; Sequence 171968, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 171968
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042867
US-10-257-017B-171968
```

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 AAGAAAAATA 1361
Db 13 AAGAAAAATA 4
|||||

RESULT 945

US-10-257-017B-172185
; Sequence 172185, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172185
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042934
US-10-257-017B-172185

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGG 1456
Db 2 GGAAGATGGG 11
|||||

RESULT 946

US-10-257-017B-172186/c
; Sequence 172186, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 172186
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0042934
US-10-257-017B-172186

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1447 GGAAGATGGG 1456
Db 12 GGAAGATGGG 3
|||||

RESULT 947

US-10-257-017B-173005/c
; Sequence 173005, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173005
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043103
US-10-257-017B-173005

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1380 ATCGTCTTCT 1389
Db 11 ATCGTCTTCT 2
|||||

RESULT 948

US-10-257-017B-173006
; Sequence 173006, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 173006
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0043103
US-10-257-017B-173006

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1380 ATCGTCTTCT 1389
Db 3 ATCGTCTTCT 12
|||||

RESULT 949

US-10-257-017B-183307
; Sequence 183307, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine

; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183307
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045258
US-10-257-017B-183307

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 2 TTAATGATGA 11

RESULT 950
US-10-257-017B-183308/c
; Sequence 183308, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 183308
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0045258
US-10-257-017B-183308

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
Db 12 TTAATGATGA 3

RESULT 951
US-10-257-017B-189085/c
; Sequence 189085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189085
; LENGTH: 13

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046541
US-10-257-017B-189085

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 10 AAAAATATTC 1

RESULT 952
US-10-257-017B-189086
; Sequence 189086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046541
US-10-257-017B-189086

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 4 AAAAATATTC 13

RESULT 953
US-10-257-017B-189409/c
; Sequence 189409, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189409
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0000731
US-10-257-017B-189409

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1355 AAAAATATTC 1364
Db 12 AAAAATATTC 3

RESULT 954
US-10-257-017B-189410
; Sequence 189410, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189410
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00000731
US-10-257-017B-189410

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 2 AAAAATATTC 11

RESULT 955
US-10-257-017B-189701/c
; Sequence 189701, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 189701
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0046671
US-10-257-017B-189701

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 13 AAAAATATTC 4

RESULT 958
US-10-257-017B-194096
; Sequence 194096, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194096
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047730
US-10-257-017B-194096

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 13 AAAAATATTC 4

RESULT 958
US-10-257-017B-194096
; Sequence 194096, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194096
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047730
US-10-257-017B-194096

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1365
Db 13 AAAAATATTC 2

RESULT 956
US-10-257-017B-189702
; Sequence 189702, Application US/10257017B

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; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 194096
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0047730
US-10-257-017B-194096

Query Match
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1355 AAAAATATTC 1364
Db 1 AAAAATATTC 10

RESULT 959
US-10-257-017B-195783
; Sequence 195783, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 195783
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048161
US-10-257-017B-195783

Query Match
Best Local Similarity 83.3%; Pred. No. 1.1e+03; Length 13;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1370 ATCAGAGCGAT 1381
Db 2 ATTACGAGCGAY 13

RESULT 960
US-10-257-017B-195784/c
; Sequence 195784, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 195784
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0048161
US-10-257-017B-195784

Query Match
Best Local Similarity 83.3%; Pred. No. 1.1e+03; Length 13;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1370 ATCAGAGCGAT 1381
Db 2 ATTACGAGCGAY 13

RESULT 961
US-10-257-017B-201791
; Sequence 201791, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201791
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049618
US-10-257-017B-201791

Query Match
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1447 GGAAGATGGG 1456
Db 4 GGAAGATGGG 13

RESULT 962
US-10-257-017B-201792/c
; Sequence 201792, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 201792
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0049618
US-10-257-017B-201792

Query Match
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Length 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1447 GGAAGATGGG 1456
Db 10 GGAAGATGGG 1
```

<div><div>RESULT 963</div><div>US-10-257-017B-202317/c</div><div>Sequence 202317, Application US/10257017B</div><div>GENERAL INFORMATION:</div><div>APPLICANT: Alexander Olek</div><div>APPLICANT: Christian Piepenbrock</div><div>APPLICANT: Kurt Berlin</div><div>TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine</div><div>TITLE OF INVENTION: methylations</div><div>FILE REFERENCE: E01/1193/WO</div><div>CURRENT APPLICATION NUMBER: US/10/257,017B</div><div>CURRENT FILING DATE: 2002-10-07</div><div>PRIOR APPLICATION NUMBER: DE 10019173.8</div><div>PRIOR FILING DATE: 2000-04-07</div><div>NUMBER OF SEQ ID NOS: 382046</div><div>SEQ ID NO 202317</div><div>LENGTH: 13</div><div>TYPE: DNA</div><div>ORGANISM: Artificial Sequence</div><div>FEATURE:</div><div>OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007716</div><div>US-10-257-017B-202317</div><div>Query Match</div><div>Best Local Similarity 7.7%; Score 10; DB 1; Length 13;</div><div>Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;</div></div>	<div><div>RESULT 964</div><div>US-10-257-017B-202318</div><div>Sequence 202318, Application US/10257017B</div><div>GENERAL INFORMATION:</div><div>APPLICANT: Alexander Olek</div><div>APPLICANT: Christian Piepenbrock</div><div>APPLICANT: Kurt Berlin</div><div>TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine</div><div>TITLE OF INVENTION: methylations</div><div>FILE REFERENCE: E01/1193/WO</div><div>CURRENT APPLICATION NUMBER: US/10/257,017B</div><div>CURRENT FILING DATE: 2002-10-07</div><div>PRIOR APPLICATION NUMBER: DE 10019173.8</div><div>PRIOR FILING DATE: 2000-04-07</div><div>NUMBER OF SEQ ID NOS: 382046</div><div>SEQ ID NO 202318</div><div>LENGTH: 13</div><div>TYPE: DNA</div><div>ORGANISM: Artificial Sequence</div><div>FEATURE:</div><div>OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0007716</div><div>US-10-257-017B-202318</div><div>Query Match</div><div>Best Local Similarity 7.7%; Score 10; DB 1; Length 13;</div><div>Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;</div></div>	<div><div>RESULT 965</div><div>US-10-257-017B-202427</div><div>Sequence 202427, Application US/10257017B</div><div>GENERAL INFORMATION:</div><div>APPLICANT: Alexander Olek</div><div>APPLICANT: Christian Piepenbrock</div><div>APPLICANT: Kurt Berlin</div><div>TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine</div><div>TITLE OF INVENTION: methylations</div><div>FILE REFERENCE: E01/1193/WO</div><div>CURRENT APPLICATION NUMBER: US/10/257,017B</div><div>CURRENT FILING DATE: 2002-10-07</div><div>PRIOR APPLICATION NUMBER: DE 10019173.8</div><div>PRIOR FILING DATE: 2000-04-07</div><div>NUMBER OF SEQ ID NOS: 382046</div><div>SEQ ID NO 208649</div><div>LENGTH: 13</div><div>TYPE: DNA</div><div>ORGANISM: Artificial Sequence</div><div>FEATURE:</div><div>OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531</div><div>US-10-257-017B-208649</div><div>Query Match</div><div>Best Local Similarity 7.7%; Score 10; DB 1; Length 13;</div><div>Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;</div></div>	<div><div>RESULT 966</div><div>US-10-257-017B-207428/c</div><div>Sequence 207428, Application US/10257017B</div><div>GENERAL INFORMATION:</div><div>APPLICANT: Alexander Olek</div><div>APPLICANT: Christian Piepenbrock</div><div>APPLICANT: Kurt Berlin</div><div>TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine</div><div>TITLE OF INVENTION: methylations</div><div>FILE REFERENCE: E01/1193/WO</div><div>CURRENT APPLICATION NUMBER: US/10/257,017B</div><div>CURRENT FILING DATE: 2002-10-07</div><div>PRIOR APPLICATION NUMBER: DE 10019173.8</div><div>PRIOR FILING DATE: 2000-04-07</div><div>NUMBER OF SEQ ID NOS: 382046</div><div>SEQ ID NO 207428</div><div>LENGTH: 13</div><div>TYPE: DNA</div><div>ORGANISM: Artificial Sequence</div><div>FEATURE:</div><div>OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531</div><div>US-10-257-017B-207428</div><div>Query Match</div><div>Best Local Similarity 7.7%; Score 10; DB 1; Length 13;</div><div>Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;</div></div>	<div><div>RESULT 967</div><div>US-10-257-017B-208649</div><div>Sequence 208649, Application US/10257017B</div><div>GENERAL INFORMATION:</div><div>APPLICANT: Alexander Olek</div><div>APPLICANT: Christian Piepenbrock</div><div>APPLICANT: Kurt Berlin</div><div>TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine</div><div>TITLE OF INVENTION: methylations</div><div>FILE REFERENCE: E01/1193/WO</div><div>CURRENT APPLICATION NUMBER: US/10/257,017B</div><div>CURRENT FILING DATE: 2002-10-07</div><div>PRIOR APPLICATION NUMBER: DE 10019173.8</div><div>PRIOR FILING DATE: 2000-04-07</div><div>NUMBER OF SEQ ID NOS: 382046</div><div>SEQ ID NO 208649</div><div>LENGTH: 13</div><div>TYPE: DNA</div><div>ORGANISM: Artificial Sequence</div><div>FEATURE:</div><div>OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0004531</div><div>US-10-257-017B-208649</div><div>Query Match</div><div>Best Local Similarity 7.7%; Score 10; DB 1; Length 13;</div><div>Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;</div></div>
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```
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005053
US-10-257-017B-208649

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
Db 4 AATTGTTAAT 13

RESULT 968
US-10-257-017B-208650/c
; Sequence 208650, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 208650
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0005053
US-10-257-017B-208650

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1405 AATTGTTAAT 1414
Db 10 AATTGTTAAT 1

RESULT 969
US-10-257-017B-209359/c
; Sequence 209359, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 209359
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00051129
US-10-257-017B-209359

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
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Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 13 RAAAAAAATAT 2

RESULT 970
US-10-257-017B-209360
; Sequence 209360, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 209360
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00051129
US-10-257-017B-209360

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1351 GAAGAAAAATAT 1362
Db 1 RAAAAAAATAT 12

RESULT 971
US-10-257-017B-211887
; Sequence 211887, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211887
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC00051655
US-10-257-017B-211887

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1352 AAGAAAAATA 1361
Db 4 AAGAAAAATA 13

RESULT 972
US-10-257-017B-211888/c
```


; Sequence 211888, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 211888
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0051655
US-10-257-017B-211888

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 AAGAAAATA 1361
|||||
Db 10 AAGAAAATA 1

RESULT 973

US-10-257-017B-217001
; Sequence 217001, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217001
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052741
US-10-257-017B-217001

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATT 1363
|||||
Db 1 GAAAAATATT 10

RESULT 974

US-10-257-017B-217002/c
; Sequence 217002, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B

; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217002
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052741
US-10-257-017B-217002

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATT 1363
|||||
Db 13 GAAAAATATT 4

RESULT 975

US-10-257-017B-217085
; Sequence 217085, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217085
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052768
US-10-257-017B-217085

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1402 TAAAAATTGTT 1411
|||||
Db 4 TAAAAATTGTT 13

RESULT 976

US-10-257-017B-217086/c
; Sequence 217086, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 217086
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0052768
US-10-257-017B-217086

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1402 TAAATTTGTT 1411
|||||
DB 10 TAAATTTGTT 1

RESULT 977
US-10-257-017B-218419/c
; Sequence 218419, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 218419
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053101
US-10-257-017B-218419

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATTCAC 1367
|||||
DB 13 AATATTCAC 4

RESULT 978
US-10-257-017B-218420
; Sequence 218420, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 218420
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0053101
US-10-257-017B-218420

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1358 AATATTCAC 1367
|||||

DB 1 AATATTCAC 10

RESULT 979
US-10-257-017B-222395
; Sequence 222395, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222395
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054111
US-10-257-017B-222395

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
DB 1 TTAATGATGA 10

RESULT 980
US-10-257-017B-222396/c
; Sequence 222396, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 222396
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054111
US-10-257-017B-222396

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1410 TTAATGATGA 1419
|||||
DB 13 TTAATGATGA 4

RESULT 981
US-10-257-017B-223435
; Sequence 223435, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock

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; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223435
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054398
US-10-257-017B-223435

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1411 TAATGATGAC 1420
Db 1 TAATGATGAC 10

RESULT 982
US-10-257-017B-223436/c
; Sequence 223436, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223436
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054398
US-10-257-017B-223436

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1411 TAATGATGAC 1420
Db 13 TAATGATGAC 4

RESULT 983
US-10-257-017B-223703
; Sequence 223703, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
```

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; SEQ ID NO 223703
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054459
US-10-257-017B-223703

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATT 1363
Db 1 GAAAAATATT 10

RESULT 984
US-10-257-017B-223704/c
; Sequence 223704, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223704
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054459
US-10-257-017B-223704

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1354 GAAAAATATT 1363
Db 13 GAAAAATATT 4

RESULT 985
US-10-257-017B-223829
; Sequence 223829, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223829
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054504
US-10-257-017B-223829

Query Match          7.7%; Score 10; DB 1; Length 13;
```

```
Best Local Similarity 100.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0;

Qy 1403 AAAATTGTTA 1412
Db 3 AAAATTGTTA 12

RESULT 986
US-10-257-017B-223830/c
; Sequence 223830, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223830
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054504
US-10-257-017B-223830

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1403 AAAATTGTTA 1412
Db 11 AAAATTGTTA 2

RESULT 987
US-10-257-017B-223907/c
; Sequence 223907, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223907
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054543
US-10-257-017B-223907

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCTA 1366
Db 13 AAATATTCCTA 4

RESULT 988
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US-10-257-017B-223908
; Sequence 223908, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 223908
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0054543
US-10-257-017B-223908

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1357 AAATATTCCTA 1366
Db 1 AAATATTCCTA 10

RESULT 989
US-10-257-017B-225649
; Sequence 225649, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; PRIOR FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225649
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055004
US-10-257-017B-225649

Query Match 7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1400 GGTAATAATTGTT 1411
Db 2 GGTAATAATTGTY 13

RESULT 990
US-10-257-017B-225650/c
; Sequence 225650, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
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; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 225650
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055004
US-10-257-017B-225650

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GGTAAATTTGTT 1411
Db 12 GGTAAATTTGTY 1

RESULT 991
US-10-257-017B-226099
; Sequence 226099, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226099
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055111
US-10-257-017B-226099

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db 2 AAGATGGGTT 11

RESULT 992
US-10-257-017B-226100/c
; Sequence 226100, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226100
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055111
US-10-257-017B-226099

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db 2 AAGATGGGTT 11

RESULT 992
US-10-257-017B-226100/c
; Sequence 226100, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 226100
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055111
US-10-257-017B-226100

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1449 AAGATGGGTT 1458
Db 12 AAGATGGGTT 3

RESULT 993
US-10-257-017B-228869
; Sequence 228869, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228869
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055835
US-10-257-017B-228869

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTT 1408
Db 3 AGGTAAATTT 12

RESULT 994
US-10-257-017B-228870/c
; Sequence 228870, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 228870
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0055835
US-10-257-017B-228870

Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 AGGTAAATTT 1408
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; GENERAL INFORMATION:
; APPLICANT: Alexander Olek

;
;
;
;
PRIOR APPLICATION NUMBER: DE 10019173.8
;
;
PRIOR FILING DATE: 2000-04-07

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; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235997
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057608
US-10-257-017B-235997
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Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1352 AAGAAAAATA 1361
Db      2 AAGAAAAATA 11
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RESULT 1000
US-10-257-017B-235998/c
; Sequence 235998, Application US/10257017B
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 235998
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0057608
US-10-257-017B-235998
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Query Match          7.7%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1352 AAGAAAAATA 1361
Db      12 AAGAAAAATA 3
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Job time : 8 secs
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Search completed: April 7, 2004, 07:15:00
Job time : 0.001 secs

Sequencing granted in the context of the GABI-Beet project, local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: <http://gabi.rzpd.de>

Query Match 7.2%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1460 ATCAAGCAAA 1469
|||||
Db 3 ATCAAGCAAA 12

RESULT 5
CF299850 11 bp mRNA linear EST 15-AUG-2003
LOCUS 7LEAF--04-A13.gi Rice leaf plasmid cDNA library II (7LEAF) Oryza
DEFINITION sativa cDNA clone 7LEAF--04-A13, mRNA sequence.

ACCESSION CF299850
VERSION CF299850.1 GI:33671611
SOURCE EST.

ORGANISM Oryza sativa
Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzaceae; Oryza.

REFERENCE Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
AUTHORS Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
TITLE Large-scale Sequencing Analysis of Rice ESTs
JOURNAL Unpublished (2003)
COMMENT Contact: Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University
Yongin, Kyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bhnahm@gbio.com, bhnahm@bio.myongji.ac.kr.

FEATURES
source Location/Qualifiers
1..11

/organism="Oryza sativa"
/mol_type="mRNA"
/cultivar="Nackdong"
/db_xref="taxon:4530"
/clone="7LEAF--04-A13"
/tissue_type="leaf"
/dev_stage="7 days after germination"
/lab_host="E.coli DH10B"
/clone_lib="Rice leaf plasmid cDNA library II (7LEAF)"
/notes="Vector: PCR4-TOPO; Site 1: EcoRI; mRNA was capped
with oligoribonucleotides and then used as templates for
RT-PCR."

Query Match 7.2%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 2.7;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1352 AAGAAAATAT 1362
|||||
Db 1 AAAAAAATAT 11

RESULT 6
BQ587101/c 13 bp mRNA linear EST 06-DEC-2002
LOCUS E012350-024-011-K22-SP6 MP1Z-ADIS-024-leaf Beta vulgaris cDNA clone
DEFINITION 024-011-K22 5-PRIME, mRNA sequence.

ACCESSION BQ587101
VERSION BQ587101.1 GI:26116683
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris

REFERENCE AUTHORS

TITLE JOURNAL MEDLINE PUBMED COMMENT

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.

1 (bases 1 to 13)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruick,W., Menze,A., O'Brien,J., Lebrach,H.
and Radelof,U.

Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)

22362189
12472698

Contact: Weissehaar B

ADIS DNA core facility at MPIZ

Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany

Fax: 00492215062851

Email: weissehaar@piz-koeln.mpg.de

Insert Length: 13 Std Error: 0.00

Plate: 11 row: K column: 22

Seq primer: SP6; CATACGATTAGTGACACTATAG.

FEATURES source

1..13
Location/Qualifiers
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding
line)"

/db_xref="GABI:185760"

/db_xref="taxon:161934"

/clone="024-011-K22"

/tissue_type="leaf"

/lab_host="EMDH10B"

/clone_lib="MP1Z-ADIS-024-leaf"

/notes="Vector: pCMVSPORT6; Site 1: SalI; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
orientation:
SP6-SalI-CCAGCGTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet
Project, local PI: Dr. Katharina Schneider, coordinator:
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database:<http://gabi.rzpd.de>"

Query Match 7.2%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 2.3;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1350 GGAAGAAAT 1360
|||||

Db 11 GGAAGAAAGAT 1

RESULT 7 CF304450

LOCUS CF304450 11 bp mRNA linear EST 15-AUG-2003
DEFINITION ABF1--05-A03.g1 ABF3-overexpressing transgenic rice lambda phage
cDNA library (ABF1) Oryza sativa cDNA clone ABF1--05-A03, mRNA
sequence.

ACCESSION CF304450

VERSION CF304450.1 GI:33676211

KEYWORDS EST.

SOURCE Oryza sativa

ORGANISM Oryza sativa

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzaceae; Oryza.

REFERENCE AUTHORS

1 (bases 1 to 11)
Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
TITLE Large-scale Sequencing Analysis of Rice ESTs
JOURNAL Unpublished (2003)
COMMENT Contact: Nahm B.H.

Wed Apr 7 08:00:52 2004

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University
Yongin, Gyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bnhnm@gbio.com, bnhnm@bio.myongji.ac.kr.

FEATURES

source

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1. .11
/organism="Oryza sativa"
/mol_type="mRNA"
/cultivar="Nackdong"
/db_xref="taxon:4530"
/clone="ABFI-05-A03"
/tissue_type="leaf"
/dev_stage="14 days after germination"
/lab_host="E.coli SOLR"
/clone_lib="ABF3-overexpressing transgenic rice lambda
phage cDNA library (ABFI)"
/note="Vector: pBluescript SK(+); Site_1: EcoRI; Site_2:
XhoI; Leaf was dried for 2hrs. cDNA was inserted into
lambda Uni-ZAP XR vector at 5' end with EcoRI and 3' end
with XhoI site. mRNA was prepared from ABA-responsive
element binding transcription factor 3 overexpression
line."

Query Match 6.5%; Score 8.4; DB 1; Length 11;
Best Local Similarity 90.0%; Pred. No. 4.6;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1372 CACGAGGCAT 1381
Db 2 CACGAGGCAT 11

RESULT 8
CF302914 10 bp mRNA linear EST 15-AUG-2003
LOCUS 7LEAF--08-N16.g1 Rice leaf plasmid cDNA library II (7LEAF) Oryza
DEFINITION sativa cDNA clone 7LEAF--08-N16, mRNA sequence.
ACCESSION CF302914
VERSION CF302914.1 GI:33674675
KEYWORDS EST.
SOURCE Oryza sativa
ORGANISM Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzaceae; Oryza.
1 (bases 1 to 10)
Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
Large-scale Sequencing Analysis of Rice ESTs
Unpublished (2003)
Contact: Nahm B.H.
Genomics and Genetics Institute, GreenGene Biotech Inc.; Division
of Bioscience and Bioinformatics, Myongji University
Yongin, Gyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bnhnm@gbio.com, bnhnm@bio.myongji.ac.kr.
Location/Qualifiers
1. .10
/organism="Oryza sativa"
/mol_type="mRNA"
/cultivar="Nackdong"
/db_xref="taxon:4530"
/clone="7LEAF--08-N16"
/tissue_type="leaf"
/dev_stage="7 days after germination"
/lab_host="E.coli DH10B"
/clone_lib="Rice leaf plasmid cDNA library II (7LEAF)"
/note="Vector: pCR4-TOPO; Site 1: EcoRI; mRNA was capped
with oligoribonucleotides and then used as templates for
RT-PCR."

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FEATURES

source

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1. .10
/organism="Oryza sativa"
/mol_type="mRNA"
/cultivar="Nackdong"
/db_xref="taxon:4530"
/clone="7LEAF--08-N16"
/tissue_type="leaf"
/dev_stage="7 days after germination"
/lab_host="E.coli DH10B"
/clone_lib="Rice leaf plasmid cDNA library II (7LEAF)"
/note="Vector: pCR4-TOPO; Site 1: EcoRI; mRNA was capped
with oligoribonucleotides and then used as templates for
RT-PCR."

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Query Match 6.2%; Score 8; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1356 AAAATATT 1363
Db 1 AAAATATT 8

RESULT 9
BQ595495/c 11 bp mRNA linear EST 06-DEC-2002
LOCUS E012691-024-022-014-SP6 MP1Z-ADIS-024-developing root Beta vulgaris
DEFINITION cDNA clone 024-022-014 5-PRIME, mRNA sequence.
ACCESSION BQ595495
VERSION BQ595495.1 GI:26125078
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 11)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
Plant J. 32 (5), 845-857 (2002)

JOURNAL
MEDLINE 22362189
PUBMED 12472698
COMMENT Contact: Weisshaar B
ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaar@mpiz-koeln.mpg.de
Insert Length: 11 Std Error: 0.00
Plate: 22 row: 0 column: 14
Seq primer: SP6; CATACGATTGAGTGACACTATAG.
Location/Qualifiers
1. .11
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding
line)"
/db_xref="GABI:191359"
/db_xref="taxon:161934"
/clone="024-022-014"
/tissue_type="developing root"
/lab_host="EMDH10B"
/clone_lib="MP1Z-ADIS-024-developing root"
/note="Vector: pCMVSPORT6; Site 1: SalI; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
orientation:
SP6-Sali-CCACGCGTCCG-Sprime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet
Project, local PI: Dr. Katharina Schneider, coordinator;
Prof. Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

```

```

Query Match 6.2%; Score 8; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1347 AGGGGAAG 1354

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Db 8 AGGGGAAG 1
|||||

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 7, 2004, 07:15:00 ; Search time 0.001 Seconds
(without alignments)
27.300 Million cell updates/sec

Title: us-10-006-911-3
Perfect score: 130
Sequence: 1 tcagggaagaaataatc.....ggttgatcaagcaaatagga 130

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 9 seqs, 105 residues

Total number of hits satisfying chosen parameters: 18

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 9 summaries

Database : rst.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
C 1	10.4	8.0	12	1	BQ594229
C 2	10	7.7	12	1	BQ587288
C 3	10	7.7	12	1	BQ587706
C 4	10	7.7	13	1	BQ582939
C 5	9.4	7.2	11	1	BQ5829850
C 6	9.4	7.2	13	1	BQ587101
C 7	8.4	6.5	11	1	CF304450
C 8	8	6.2	10	1	CF302914
C 9	8	6.2	11	1	BQ595495

ALIGNMENTS

RESULT 1
BQ594229/c
LOCUS BQ594229 12 bp mRNA linear EST 06-DEC-2002
DEFINITION BQ12757-024-025-C11-SP6 MP1Z-ADIS-024-developing root Beta vulgaris cDNA clone 024-025-C11 5-PRIME, mRNA sequence.
ACCESSION BQ594229
VERSION BQ594229.1 GI:26123812
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris
REFERENCE BQ594229
AUTHORS Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 12)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes

JOURNAL MEDLINE PUBMED COMMENT

Plant J. 32 (5), 845-857 (2002)
22362189
12472698

Contact: Weisshaar B

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Email: weisshaar@piz-koeln.mpg.de

Insert Length: 12 Std Error: 0.00

Plate: 25 row: C column: 11

Seq primer: SP6; CATACGATTAGTGACACTATAG.

Location/Qualifiers

1. .12

/organism="Beta vulgaris"

/mol_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line)"

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/db_xref="taxon:161934"

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/tissue_type="developing root"

/lab_host="EMDH10B"

/clone_lib="MP1Z-ADIS-024-developing root"

/note="Vector: pCMVSPORT6; Site 1: SalI; Site 2: NotI; cDNA library from sugar beet, library provided by KWS Kleinwanzlebener Saatgut AG Einbeck, Germany, contact: b.schulz@kws.de; cloning sites SalI-NotI, primer sites and orientation:
SP6-Sali-CCACGGCTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note: Sequencing granted in the context of the GABI-Beet project, local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: <http://gabi.rzpd.de>"

Query Match 8.0%; Score 10.4; DB 1; Length 12;
Best Local Similarity 91.7%; Pred. No. 1.4;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1348 GGGGAAGAAAA 1359

Db 12 GGGGAAGAAAA 1

RESULT 2

BQ587288/c

LOCUS

BQ587288 12 bp mRNA linear EST 06-DEC-2002
DEFINITION E012340w-024-010-G19-SP6 MP1Z-ADIS-024-leaf Beta vulgaris cDNA clone 024-010-G19 5-PRIME, mRNA sequence.

ACCESSION BQ587288.1 GI:26116870

VERSION BQ587288

KEYWORDS EST.

SOURCE Beta vulgaris

ORGANISM Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.

REFERENCE

AUTHORS

Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radelof,U.

TITLE

Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes

JOURNAL MEDLINE PUBMED

Plant J. 32 (5), 845-857 (2002)

22362189

12472698

Contact: Weisshaar B

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Insert Length: 12 Std Error: 0.00

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Plate: 10 row: G column: 19
Seq primer: SP6; CATACGATTAGTGACACTATAG.
FEATURES
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      cDNA library from sugar beet, library provided by KWS
      Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
      b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
      orientation:
      SP6-Sali-CCACGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
      Sequencing granted in the context of the GABI-Beet
      project, local PI: Dr. Katharina Schneider, coordinator:
      Prof. Christian Jung; Sequence submission managed by
      RZPD/GABI-Primary database:http://gabi.rzpd.de"
    Query Match 7.7%; Score 10; DB 1; Length 12;
    Best Local Similarity 100.0%; Pred. No. 1.8;
    Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1350 GGAAGAAAAA 1359
Db 11 GGAAGAAAAA 2
|||||
|

RESULT 4
BQ582939
LOCUS
DEFINITION BQ582939 13 bp mRNA linear EST 06-DEC-2002
CDNA clone 024-006-K21 5-PRIME, mRNA sequence.
ACCESSION BQ582939.1 GI:26112516
VERSION BQ582939
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris
REFERENCE
AUTHORS Herwig,R., Schulz,B., Weishaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
1 (bases 1 to 13)
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide
fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL Plant J. 32 (5), 845-857 (2002)
MEDLINE 22362189
PUBMED 12472698
COMMENT Contact: Weishaar B
ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weishaar@mpiz-koeln.mpg.de
Insert Length: 12 Std Error: 0.00
Plate: 6 row: K column: 21
Seq primer: SP6; CATACGATTAGTGACACTATAG.
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      Kleinwanzlebener Saatzzucht AG Einbeck, Germany, contact:
      b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
      orientation:
      SP6-Sali-CCACGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:

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